10521761

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTASYG1600

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPCI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	26	JUN 06	KOREAPAT updated with 41,000 documents

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

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Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008

=> b hcap
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 12 Jun 2008 VOL 148 ISS 24
FILE LAST UPDATED: 11 Jun 2008 (20080611/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> us20050249857/pn
US20050249857 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> set autosearch on
SET COMMAND COMPLETED

=> us20050249857/pn
L1 1 US20050249857/PN

=> b reg;tra rn
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.69	3.11

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 11 JUN 2008 HIGHEST RN 1027436-61-8
DICTIONARY FILE UPDATES: 11 JUN 2008 HIGHEST RN 1027436-61-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

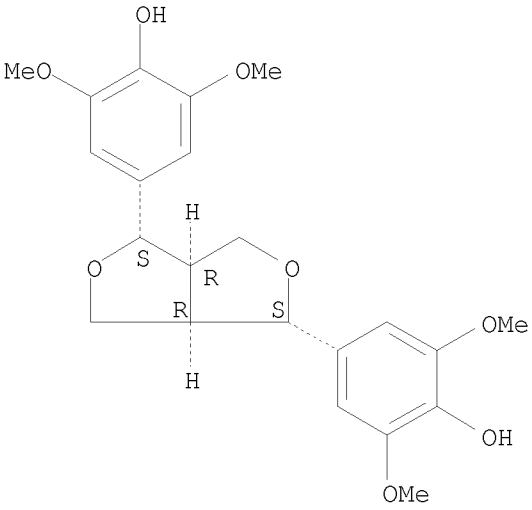
```
L2          TRANSFER L1 1- RN :      16 TERMS
L3          16 L2

=> l3 and >=2 46.150.18/rid
      16596122 RID.CNT >= 2
      22121069 46.150.18/RID
      11101089 >=2 46.150.18/RID
                  (RID.CNT >= 2 (T) 46.150.18/RID)
L4          10 L3 AND >=2 46.150.18/RID

=> d sca

L4   10 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   Phenol, 4,4'-(tetrahydro-1H,3H-furo[3,4-c]furan-1,4-diyl)bis[2,6-dimethoxy-
     , (1R,3aS,4R,6aS)-rel-
MF   C22 H26 O8
```

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

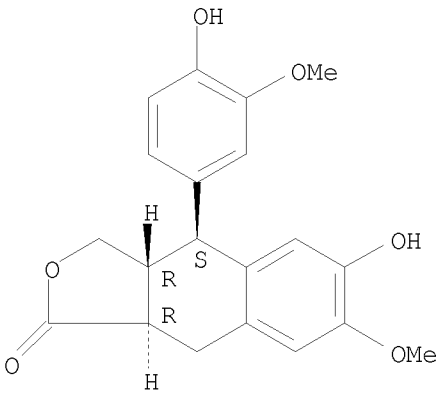
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

```
=> l3 and oc4-c6-c6/es
         58515 OC4-C6-C6/ES
L5           1 L3 AND OC4-C6-C6/ES

=> d sca

L5   1 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   Naphtho[2,3-c]furan-1(3H)-one, 3a,4,9,9a-tetrahydro-6-hydroxy-4-(4-hydroxy-
     3-methoxyphenyl)-7-methoxy-, (3aR,4S,9aR)-
MF   C20 H20 O6

Absolute stereochemistry.  Rotation (-).
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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ALL ANSWERS HAVE BEEN SCANNED

=> l3 and 6-c6/es
             0 6-C6/ES
L6   0 L3 AND 6-C6/ES

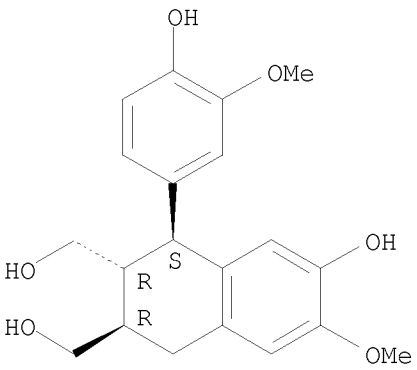
=> del l6
DELETE L6? (Y)/N:y

=> l3 and c6-c6/es
       1122454 C6-C6/ES
L6   1 L3 AND C6-C6/ES

=> d sca

L6   1 ANSWERS   REGISTRY COPYRIGHT 2008 ACS on STN
IN   2,3-Naphthalenedimethanol, 1,2,3,4-tetrahydro-7-hydroxy-1-(4-hydroxy-3-
     methoxyphenyl)-6-methoxy-, (1S,2R,3R)-
MF   C20 H24 O6
CI   COM

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1   1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2   TRA L1 1- RN :   16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

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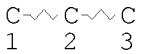
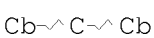
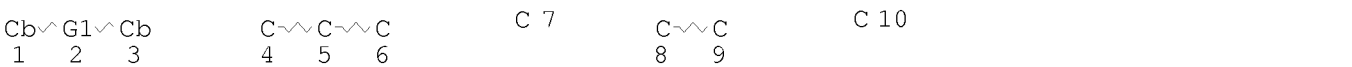
```
L3           16 SEA L2
L4           10 L3 AND >=2 46.150.18/RID
L5            1 L3 AND OC4-C6-C6/ES
L6            1 L3 AND C6-C6/ES

=> str
:gra c3
:dis
```



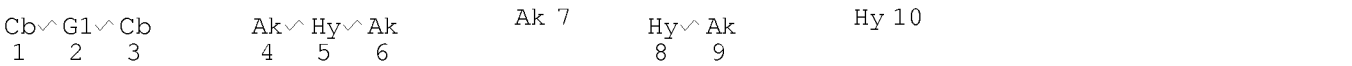

```
:nod 1 3 cb,dis
```



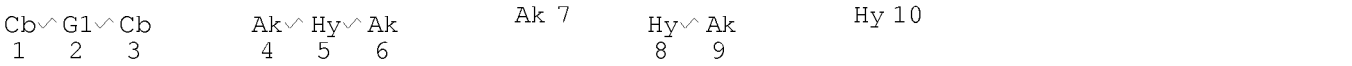

```
:nod 2 g1,gra c3,c1,c2,c1,arr,dis
```



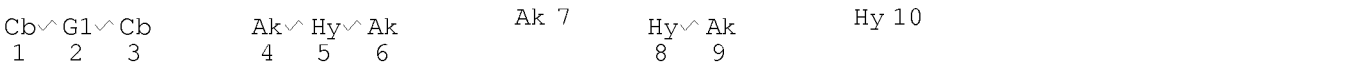

```
:nod 4 6 7 9 ak,5 8 10 hy
:dis sia
```




```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  10

STEREO ATTRIBUTES: NONE
:eco 5 8 e1 o e4 c,dis sia
```




```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS E4 C  E1 O  AT   8

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  10

STEREO ATTRIBUTES: NONE
:eco 7 m3-x5 c,dis sia
```




```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
```

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```
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M3-X5 C  AT   7
ECOUNT  IS E4 C  E1 O  AT   8

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  10

STEREO ATTRIBUTES: NONE
:eco 10 e2 o e6 c,dis sia

Cb^ G1^ Cb      Ak^ Hy^ Ak        Ak 7      Hy^ Ak        Hy 10
 1   2   3       4   5   6                   8   9

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M3-X5 C  AT   7
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  10

STEREO ATTRIBUTES: NONE
:ggc 10 pcy
:dis sia

Cb^ G1^ Cb      Ak^ Hy^ Ak        Ak 7      Hy^ Ak        Hy 10
 1   2   3       4   5   6                   8   9

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M3-X5 C  AT   7
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  10

STEREO ATTRIBUTES: NONE
:var g1=4-1 6-3/7/8-1 9-3/10
:dis sia

Cb^ G1^ Cb      Ak^ Hy^ Ak        Ak @7     Hy^ Ak        Hy @10
 1   2   3       @4  5   @6                  @8  @9

VAR G1=4-1 6-3/7/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E4 C  E1 O  AT   5
```

```
ECOUNT  IS M3-X5 C  AT   7
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  10

STEREO ATTRIBUTES: NONE
:end
L7   STRUCTURE CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR

=> l7
SAMPLE SEARCH INITIATED 14:36:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  1779298 TO ITERATE

  0.1% PROCESSED     2000 ITERATIONS                              29 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     35522387 TO 35649533
PROJECTED ANSWERS:          506385 TO   525607

L8            29 SEA SSS SAM L7

=> >=2 46.150.18/rid
      16596122 RID.CNT >= 2
      22121069 46.150.18/RID
SYSTEM LIMITS EXCEEDED - SEARCH ENDED
The search profile you entered was too complex or gave too many
answers.  Simplify or subdivide the query and try again.  If you have
exceeded the answer limit, enter DELETE HISTORY at an arrow prompt
(=>) to remove all previous answers sets and begin at L1.  Use the
SAVE command to store any important profiles or answer sets before
using DELETE HISTORY.

=> d his
```

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```
     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7

=> acr 1839
           2189 ACR
             14 ACRS
           2203 ACR
                  (ACR OR ACRS)
           2436 1839
L9            0 ACR 1839
                  (ACR(W)1839)

=> del l9 y

=> scr 1839
L9    SCREEN CREATED

=> dhis
              0 DHIS
L10           0 DHIS

=> del l10 y

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
```

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```
=> l7 and l9
SAMPLE SEARCH INITIATED 14:40:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  1400437 TO ITERATE

  0.1% PROCESSED     2000 ITERATIONS                                29 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     27948931 TO 28068549
PROJECTED ANSWERS:          397594 TO   414658

L10          29 SEA SSS SAM L7 AND L9

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9

=> str l7
:dis

Cb^ G1^ Cb       Ak^ Hy^ Ak        Ak @7     Hy^ Ak        Hy @10
 1   2   3       @4  5   @6                  @8  @9


VAR G1=4-1 6-3/7/8-1 9-3/10
:del 7
:dis sia

Cb^ G1^ Cb       Ak^ Hy^ Ak                  Hy^ Ak        Hy @10
 1   2   3       @4  5   @6                  @8  @9


VAR G1=4-1 6-3/7/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS E6 C  E2 O  AT  10
```

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```
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
:VAR G1=4-1 6-3/8-1 9-3/10
G1 IN USE. CHANGE? (Y)/N:y
:dis sia

Cb^G1^Cb       Ak^Hy^Ak               Hy^Ak        Hy @10
 1   2   3       @4   5   @6               @8   @9


VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
:arr,dis

Cb^G1^Cb       Ak^Hy^Ak       Hy^Ak        Hy @10
 1   2   3       @4   5   @6       @8   @9


VAR G1=4-1 6-3/8-1 9-3/10
:end
L11  STRUCTURE CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1            1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3           16 SEA L2
L4           10 L3 AND >=2 46.150.18/RID
L5            1 L3 AND OC4-C6-C6/ES
L6            1 L3 AND C6-C6/ES
L7               STR
L8           29 L7
L9               SCR 1839
L10          29 L7 AND L9
L11              STR L7
```

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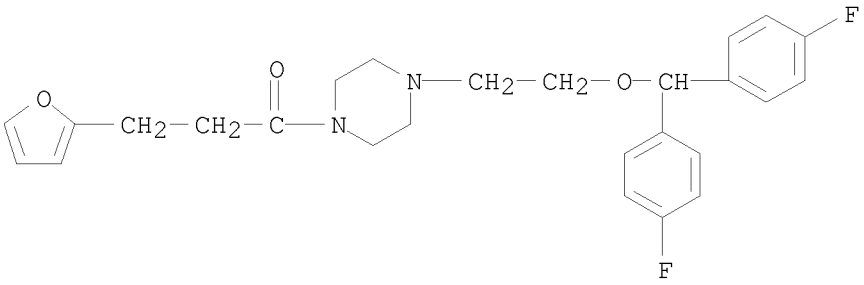
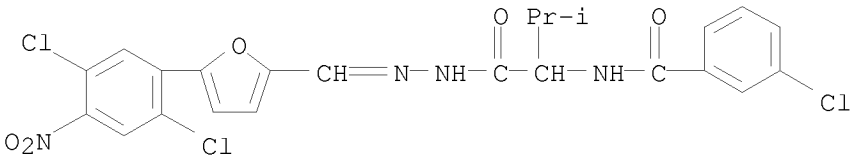
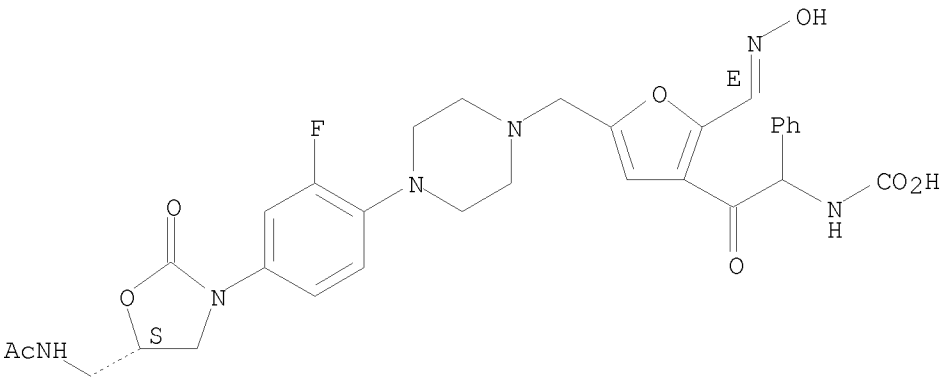
```
=> >=2 46.150.18/rid and (oc4 or oc4-oc4)/es
      16596122 RID.CNT >= 2
      22121069 46.150.18/RID
      11101089 >=2 46.150.18/RID
                  (RID.CNT >= 2 (T) 46.150.18/RID)
       1351114 OC4/ES
         30009 OC4-OC4/ES
L12     336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES

=> d sca

L12  336455 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   INDEX NAME NOT YET ASSIGNED
MF   C26 H28 F2 N2 O3
```



```
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L12  336455 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   INDEX NAME NOT YET ASSIGNED
MF   C23 H19 Cl3 N4 O5
```

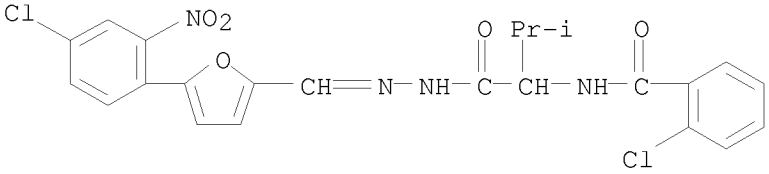


```
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L12  336455 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   INDEX NAME NOT YET ASSIGNED
MF   C31 H33 F N6 O8

Absolute stereochemistry.
Double bond geometry as shown.
```



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L12 336455 ANSWERS   REGISTRY COPYRIGHT 2008 ACS on STN
IN   INDEX NAME NOT YET ASSIGNED
MF   C23 H20 Cl2 N4 O5



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1   1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2   TRA L1 1- RN :   16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3   16 SEA L2
L4   10 L3 AND >=2 46.150.18/RID
L5   1 L3 AND OC4-C6-C6/ES
L6   1 L3 AND C6-C6/ES
L7   STR
L8   29 L7
L9   SCR 1839
L10   29 L7 AND L9
L11   STR L7

10521761

L12 336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES

=> d que l11
L11 STR

Cb^ G1^ Cb Ak^ Hy^ Ak Hy^ Ak Hy @10
1 2 3 @4 5 @6 @8 @9

VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY AT 10
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E4 C E1 O AT 5
ECOUNT IS E4 C E1 O AT 8
ECOUNT IS E6 C E2 O AT 10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9
L11 STR L7
L12 336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES

=> l11 sub=l12 sam
SAMPLE SUBSET SEARCH INITIATED 14:43:57 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED - 16809 TO ITERATE

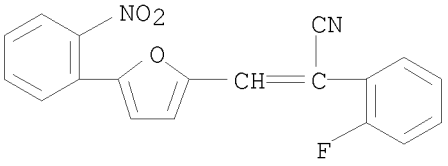
11.9% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 328415 TO 343945
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 8112 TO 10714

L13 50 SEA SUB=L12 SSS SAM L11

=> d sca

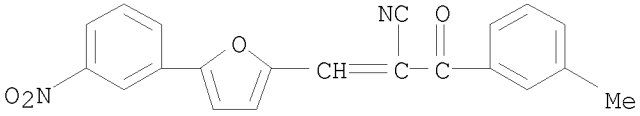
L13 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzeneacetonitrile, 2-fluoro-α-[[5-(2-nitrophenyl)-2-furanyl]methylene]-
MF C19 H11 F N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L13 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepropanenitrile, 3-methyl-α-[[5-(3-nitrophenyl)-2-furanyl]methylene]-β-oxo-
MF C21 H14 N2 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES

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```
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9
L11              STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12

=> str l11
:dis

                                                          Hy @10
Cb^G1^Cb       Ak^Hy^Ak       Hy^Ak
 1   2   3       @4   5  @6       @8  @9


VAR G1=4-1 6-3/8-1 9-3/10
:eco 4 6 9 m1-x2 c,dis sia

                                                          Hy @10
Cb^G1^Cb       Ak^Hy^Ak       Hy^Ak
 1   2   3       @4   5  @6       @8  @9


VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M1-X2 C  AT   4
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M1-X2 C  AT   6
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS M1-X2 C  AT   9
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
:dis sia

                                                          Hy @10
Cb^G1^Cb       Ak^Hy^Ak       Hy^Ak
 1   2   3       @4   5  @6       @8  @9


VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M1-X2 C  AT   4
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M1-X2 C  AT   6
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS M1-X2 C  AT   9
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
```

```
:end
L14  STRUCTURE CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1            1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3           16 SEA L2
L4           10 L3 AND >=2 46.150.18/RID
L5            1 L3 AND OC4-C6-C6/ES
L6            1 L3 AND C6-C6/ES
L7               STR
L8           29 L7
L9               SCR 1839
L10          29 L7 AND L9
L11              STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14              STR L11

=> l14 sub=l12 sam
SAMPLE SUBSET SEARCH INITIATED 14:45:47 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED -    16809 TO ITERATE

 11.9% PROCESSED     2000 ITERATIONS                             32 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET):           ONLINE  **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):       328415 TO   343945
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET):            4395 TO     6361

L15          32 SEA SUB=L12 SSS SAM L14

=> d sca

L15  32 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   2(3H)-Furanone, 4-[(3,4-dimethoxyphenyl)methyl]dihydro-3-hydroxy-3-[(4-
     hydroxy-3,5-dimethoxyphenyl)methyl]-, (3S,4S)-
MF   C22 H26 O8

Absolute stereochemistry.  Rotation (-).
```

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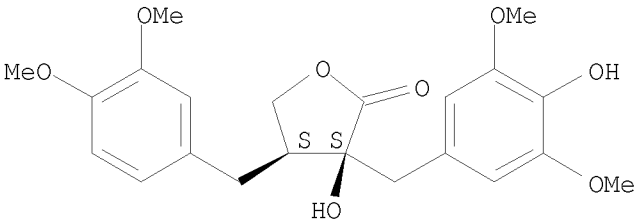
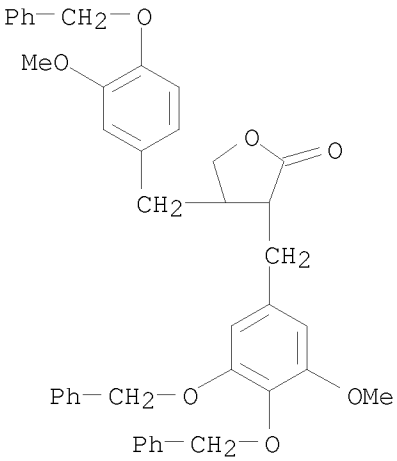


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L15 32 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(3H)-Furanone, dihydro-3-[[3-methoxy-4,5-bis(phenylmethoxy)phenyl]methyl]-4-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-
MF C41 H40 O7



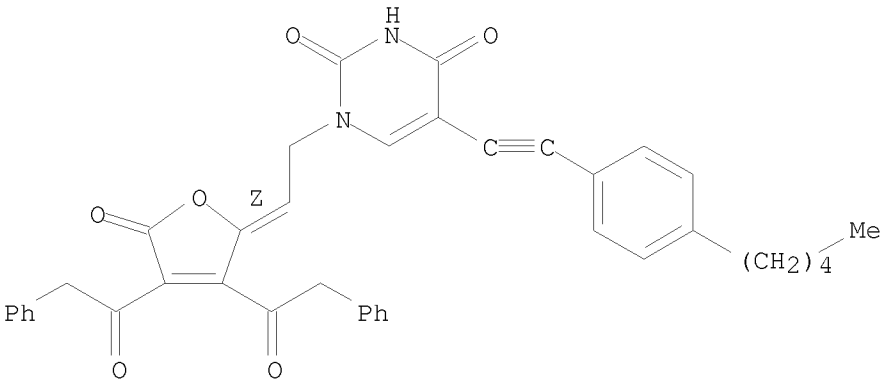
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L15 32 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2,4(1H,3H)-Pyrimidinedione, 1-[(2Z)-2-[5-oxo-3,4-bis(2-phenylacetyl)-2(5H)-furanylidene]ethyl]-5-[2-(4-pentylphenyl)ethynyl]-
MF C39 H34 N2 O6

Double bond geometry as shown.

10521761

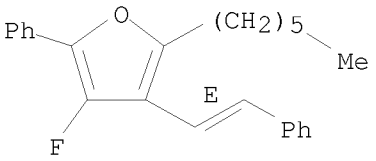


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L15 32 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Furan, 3-fluoro-5-hexyl-2-phenyl-4-[(1E)-2-phenylethenyl]-
MF C24 H25 F O

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L15 32 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(3H)-Furanone, 4-[(3,4-dimethoxyphenyl)hydroxymethyl]dihydro-5-methoxy-3-[(2,4,5-trimethoxyphenyl)methylene]-
MF C24 H28 O9

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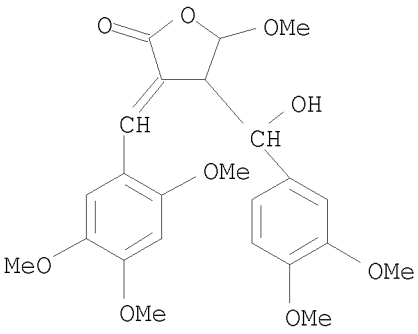


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9
L11 STR L7
L12 336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13 50 L11 SAM SUB=L12
L14 STR L11
L15 32 L14 SAM SUB=L12

=> e furan/cn
E1 1 FURAMPICILLIN SODIUM/CN
E2 1 FURAMTERENE/CN
E3 1 --> FURAN/CN
E4 1 FURAN 1/CN
E5 1 FURAN 2/CN
E6 1 FURAN 2 (DYE)/CN
E7 1 FURAN 2 (FISH MEDICATION)/CN
E8 1 FURAN 6/CN
E9 1 FURAN CATION/CN
E10 1 FURAN CATION RADICAL/CN

10521761

```
E11          1     FURAN CONJUGATE MONOACID/CN
E12          1     FURAN ENDO-PEROXIDE/CN

=> e3
L16          1 FURAN/CN

=> d str

L16  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
```

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
=> e thf/cn
E1           1     THEXYLTRICHLOROSILANE/CN
E2           1     THEXYLTRIMETHOXYSILANE/CN
E3           1 --> THF/CN
E4           1     THF 10/CN
E5           1     THF 451-10A/CN
E6           1     THF CATION RADICAL/CN
E7           1     THF CYCLIC DIMER/CN
E8           1     THF CYCLIC OCTAMER/CN
E9           1     THF CYCLIC TETRAMER/CN
E10          1     THF HEPTADECAHYDRATE/CN
E11          1     THF HOMOPOLYMER/CN
E12          1     THF HOMOPOLYMER ACETATE/CN

=> e3
L17          1 THF/CN

=> d str rsd

L17  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
```

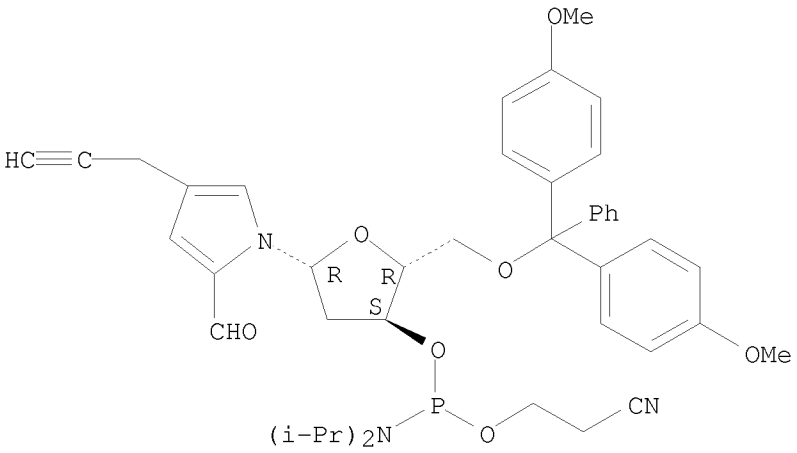
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C4O	OC4	5	C4O	16.138.1	1

10521761

```
=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1            1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3           16 SEA L2
L4           10 L3 AND >=2 46.150.18/RID
L5            1 L3 AND OC4-C6-C6/ES
L6            1 L3 AND C6-C6/ES
L7               STR
L8           29 L7
L9               SCR 1839
L10          29 L7 AND L9
L11              STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14              STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3

=> l12 and 16.138.1
             0 16.138.1
L18          0 L12 AND 16.138.1

=> del l18 y

=> l12 and 16.138.1/rid
        554802 16.138.1/RID
L18     130953 L12 AND 16.138.1/RID

=> d sca

L18  130953 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   INDEX NAME NOT YET ASSIGNED
MF   C43 H50 N3 O7 P

Absolute stereochemistry.
```



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9
L11 STR L7
L12 336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13 50 L11 SAM SUB=L12
L14 STR L11
L15 32 L14 SAM SUB=L12
E FURAN/CN
L16 1 E3
E THF/CN
L17 1 E3
L18 130953 L12 AND 16.138.1/RID

=> l14 sub=l18 sam
SAMPLE SUBSET SEARCH INITIATED 14:48:08 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED - 6522 TO ITERATE

30.7% PROCESSED 2000 ITERATIONS 49 ANSWERS

10521761

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

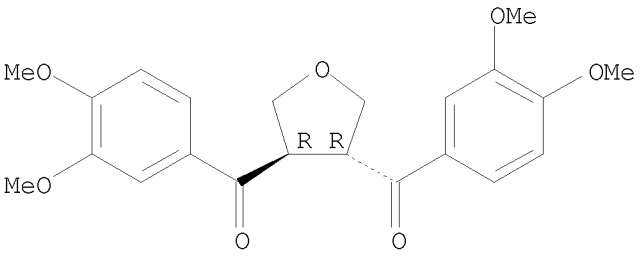
PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 125598 TO 135282
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 2437 TO 3953

L19 49 SEA SUB=L18 SSS SAM L14

=> d sca

L19 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Methanone, 1,1'-[(3R,4R)-tetrahydro-3,4-furandiyl]bis[1-(3,4-dimethoxyphenyl)-
MF C22 H24 O7

Absolute stereochemistry. Rotation (+).

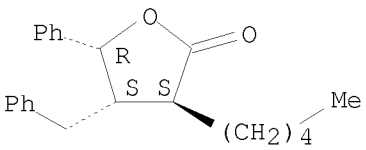


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L19 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(3H)-Furanone, dihydro-3-pentyl-5-phenyl-4-(phenylmethyl)-, (3R,4R,5S)-rel-
MF C22 H26 O2

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

10521761

```
     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9
L11              STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14              STR L11
L15           32 L14 SAM SUB=L12
                 E FURAN/CN
L16            1 E3
                 E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18

=> str l14
:dis

Cb^G1^Cb       Ak^Hy^Ak       Hy^Ak       Hy @10
 1   2   3       @4   5   @6       @8   @9


VAR G1=4-1 6-3/8-1 9-3/10
:att o 1 se,3 o se,dis sia

Ak^Hy^Ak       Hy^Ak       Hy @10    O—— Cb^G1^Cb——O
@4   5   @6       @8   @9              11   1   2   3   12


VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M1-X2 C  AT   4
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M1-X2 C  AT   6
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS M1-X2 C  AT   9
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  11
```

10521761

STEREO ATTRIBUTES: NONE
:FIL STNGUIDE
DATA TYPED NOT VALID
You entered an unknown command name or an incomplete command. For more information, enter "HELP" and the command name. Enter "HELP" to see a list of all the commands.
:end
L20 STRUCTURE CREATED

=> b stng

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	94.40	112.31

FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 6, 2008 (20080606/UP).

=> b reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.36	112.67

FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 JUN 2008 HIGHEST RN 1027436-61-8
DICTIONARY FILE UPDATES: 11 JUN 2008 HIGHEST RN 1027436-61-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

10521761

```
     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9
L11              STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14              STR L11
L15           32 L14 SAM SUB=L12
                 E FURAN/CN
L16            1 E3
                 E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18
L20              STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008

=> str l20
:dis

Ak^Hy^Ak       Hy^Ak       Hy@10   O--Cb^G1^Cb--O
@4  5  @6      @8  @9              11  1  2  3  12


VAR G1=4-1 6-3/8-1 9-3/10
:eco 1 3 e6 c,ggc 1 3 mcy,dis sia

Ak^Hy^Ak       Hy^Ak       Hy@10   O--Cb^G1^Cb--O
@4  5  @6      @8  @9              11  1  2  3  12


VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY  AT   1
GGCAT   IS MCY  AT   3
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E6 C  AT   1
ECOUNT  IS E6 C  AT   3
ECOUNT  IS M1-X2 C  AT   4
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M1-X2 C  AT   6
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS M1-X2 C  AT   9
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
```

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NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE
:end
L21 STRUCTURE CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1   1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2   TRA L1 1- RN :   16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3   16 SEA L2
L4   10 L3 AND >=2 46.150.18/RID
L5   1 L3 AND OC4-C6-C6/ES
L6   1 L3 AND C6-C6/ES
L7   STR
L8   29 L7
L9   SCR 1839
L10   29 L7 AND L9
L11   STR L7
L12   336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13   50 L11 SAM SUB=L12
L14   STR L11
L15   32 L14 SAM SUB=L12
                  E FURAN/CN
L16   1 E3
                  E THF/CN
L17   1 E3
L18   130953 L12 AND 16.138.1/RID
L19   49 L14 SAM SUB=L18
L20   STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21   STR L20

=> scr 1707 or 1708
L22   SCREEN CREATED

=> scr 1840
L23   SCREEN CREATED

=> dis sia
L23 HAS NO ANSWERS
L23   SCR 1840

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

10521761

```
     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9
L11              STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14              STR L11
L15           32 L14 SAM SUB=L12
                 E FURAN/CN
L16            1 E3
                 E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18
L20              STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21              STR L20
L22              SCR 1707 OR 1708
L23              SCR 1840

=> l22 and l23 and l21
SAMPLE SEARCH INITIATED 15:00:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   431505 TO ITERATE

  0.5% PROCESSED     2000 ITERATIONS                                 2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      8592492 TO  8667708
PROJECTED ANSWERS:            7384 TO     9876

L24            2 SEA SSS SAM L22 AND L23 AND L21

=> d sc
'SC' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
```

fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

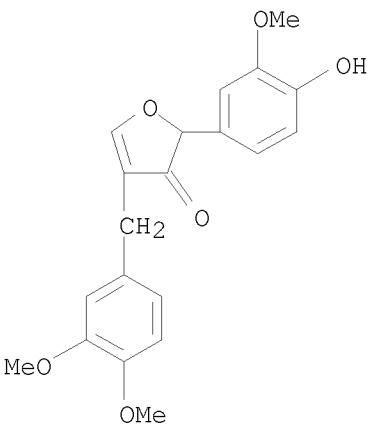
The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> d sca

L24 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 3(2H)-Furanone, 4-[(3,4-dimethoxyphenyl)methyl]-2-(4-hydroxy-3-methoxyphenyl)-
MF C20 H20 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9
L11 STR L7
L12 336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13 50 L11 SAM SUB=L12
L14 STR L11
L15 32 L14 SAM SUB=L12
E FURAN/CN
L16 1 E3
E THF/CN
L17 1 E3
L18 130953 L12 AND 16.138.1/RID
L19 49 L14 SAM SUB=L18
L20 STR L14

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FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21 STR L20
L22 SCR 1707 OR 1708
L23 SCR 1840
L24 2 L22 AND L23 AND L21

=> l22 and l23 and l21 sub=l18 sam
SAMPLE SUBSET SEARCH INITIATED 15:01:14 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED - 4728 TO ITERATE

42.3% PROCESSED 2000 ITERATIONS 36 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

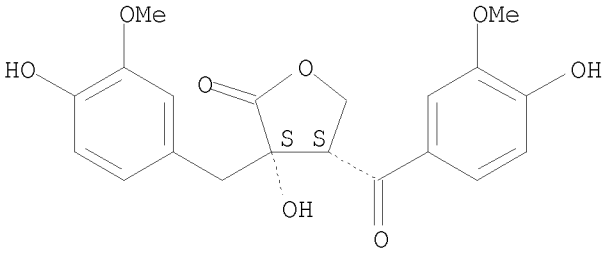
PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 90437 TO 98683
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 1149 TO 2255

L25 36 SEA SUB=L18 SSS SAM L22 AND L23 AND L21

=> d sca

L25 36 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(3H)-Furanone, dihydro-3-hydroxy-4-(4-hydroxy-3-methoxybenzoyl)-3-[(4-hydroxy-3-methoxyphenyl)methyl]-, (3S,4S)-
MF C20 H20 O8

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L25 36 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenepropanoic acid, 2-(phenylmethoxy)-4-[[(3R,4R)-tetrahydro-2-oxo-4-[[3-(phenylmethoxy)phenyl]methyl]-3-furanyl]methyl]-, rel-
MF C35 H34 O6

Relative stereochemistry.

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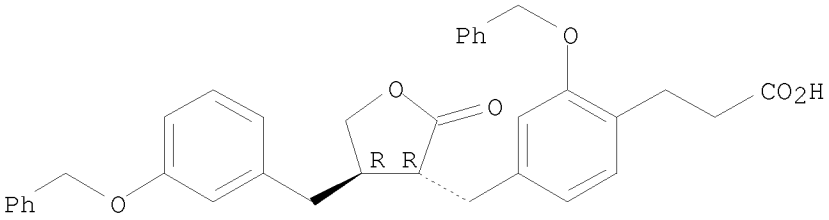
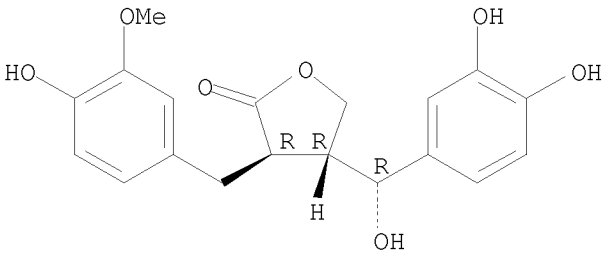


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L25 36 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(3H)-Furanone, 4-[(R)-(3,4-dihydroxyphenyl)hydroxymethyl]dihydro-3-[(4-hydroxy-3-methoxyphenyl)methyl]-, (3R,4R)-
MF C19 H20 O7

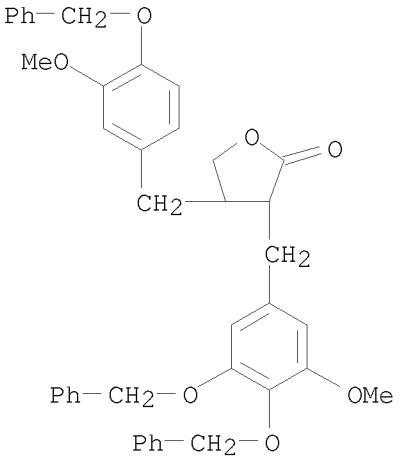
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L25 36 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(3H)-Furanone, dihydro-3-[[3-methoxy-4,5-bis(phenylmethoxy)phenyl]methyl]-4-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-
MF C41 H40 O7

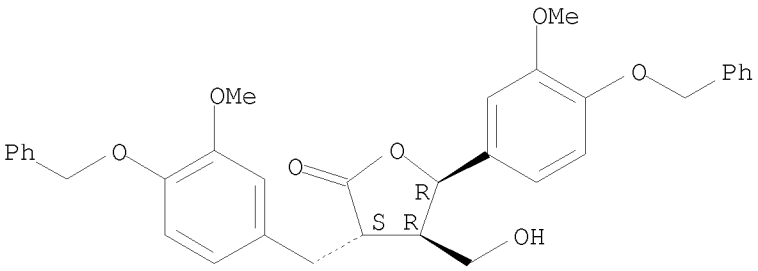


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L25 36 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(3H)-Furanone, dihydro-4-(hydroxymethyl)-5-[3-methoxy-4-(phenylmethoxy)phenyl]-3-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]-, (3S,4R,5R)-
MF C34 H34 O7

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

10521761

```
     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9
L11              STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14              STR L11
L15           32 L14 SAM SUB=L12
                 E FURAN/CN
L16            1 E3
                 E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18
L20              STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21              STR L20
L22              SCR 1707 OR 1708
L23              SCR 1840
L24            2 L22 AND L23 AND L21
L25           36 L22 AND L23 AND L21 SAM SUB=L18

=> str l21
:dis

Ak^Hy^Ak       Hy^Ak       Hy@10    O--Cb^G1^Cb--O
@4  5  @6      @8  @9              11  1  2  3  12


VAR G1=4-1 6-3/8-1 9-3/10
:att c1 11,c1 12,dis sia

Ak^Hy^Ak       Hy^Ak       Hy@10    C^^O--Cb^G1^Cb--O^^C
@4  5  @6      @8  @9              13 11  1  2  3  12 14


VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY  AT   1
GGCAT   IS MCY  AT   3
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E6 C  AT   1
ECOUNT  IS E6 C  AT   3
ECOUNT  IS M1-X2 C  AT   4
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M1-X2 C  AT   6
ECOUNT  IS E4 C  E1 O  AT   8
```

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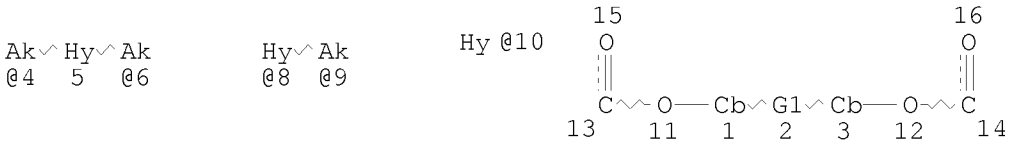
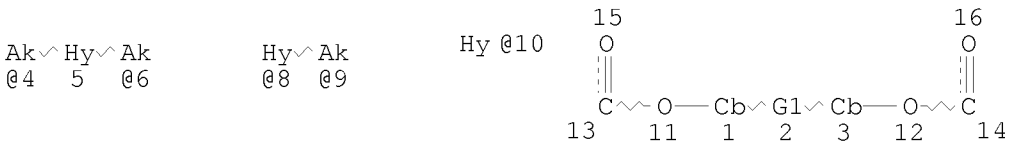
```
ECOUNT  IS M1-X2 C  AT   9
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  13

STEREO ATTRIBUTES: NONE
:att o 13 vn d,att o 14 vn d,dis sia
```



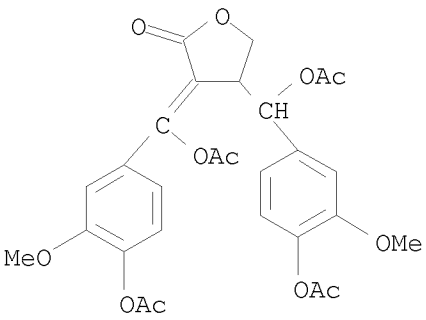

```
VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY  AT   1
GGCAT   IS MCY  AT   3
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E6 C  AT   1
ECOUNT  IS E6 C  AT   3
ECOUNT  IS M1-X2 C  AT   4
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M1-X2 C  AT   6
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS M1-X2 C  AT   9
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  15

STEREO ATTRIBUTES: NONE
:d his
DATA TYPED NOT VALID
You entered an unknown command name or an incomplete command.  For
more information, enter "HELP" and the command name.  Enter "HELP" to
see a list of all the commands.
:dis sia
```




```
VAR G1=4-1 6-3/8-1 9-3/10
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY  AT   1
GGCAT   IS MCY  AT   3
GGCAT   IS PCY  AT  10
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E6 C  AT   1
ECOUNT  IS E6 C  AT   3
ECOUNT  IS M1-X2 C  AT   4
```

```
ECOUNT  IS E4 C  E1 O  AT   5
ECOUNT  IS M1-X2 C  AT   6
ECOUNT  IS E4 C  E1 O  AT   8
ECOUNT  IS M1-X2 C  AT   9
ECOUNT  IS E6 C  E2 O  AT  10

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  15

STEREO ATTRIBUTES: NONE
:end
L26  STRUCTURE CREATED

=> d hjis
L26 HAS NO ANSWERS
'HJIS ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains
          data.  (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains
          data.
SDA ----- All Structure DAta (image, attributes, connection table and
          map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIA), SCT, SDA, SIM, SAT, NOS:end

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                  SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2                TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9
L11              STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14              STR L11
L15           32 L14 SAM SUB=L12
                 E FURAN/CN
L16            1 E3
                 E THF/CN
L17            1 E3
```

```
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21

=> l26 and l22 and l23 sub=l18 sam
SAMPLE SUBSET SEARCH INITIATED 15:03:09 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED -     1302 TO ITERATE

100.0% PROCESSED     1302 ITERATIONS                              4 ANSWERS
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET):           ONLINE  **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):        23876 TO    28204
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET):               4 TO      200

L27           4 SEA SUB=L18 SSS SAM L26 AND L22 AND L23

=> d sca

L27  4 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   2(3H)-Furanone, 4-[(acetyloxy)[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-
     [(acetyloxy)[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-
MF   C28 H28 O12
```




```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L27  4 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-,
     (E,Z)- (9CI)
MF   C24 H20 O9

Double bond geometry as shown.
```

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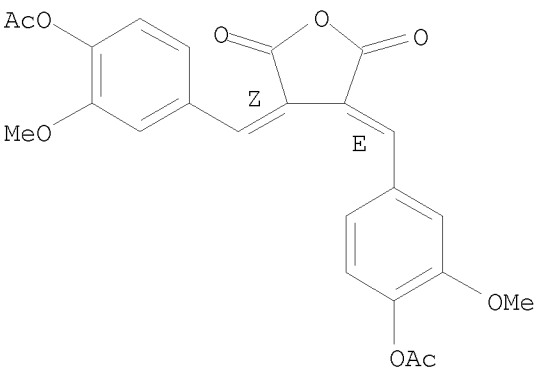
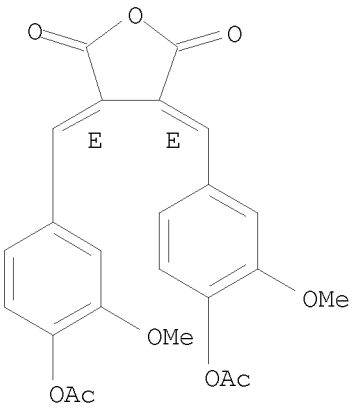


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L27 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (E,E)- (9CI)
MF C24 H20 O9

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> l26 and l22 and l23 sub=l18 full
FULL SUBSET SEARCH INITIATED 15:03:33 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 25929 TO ITERATE

100.0% PROCESSED 25929 ITERATIONS 94 ANSWERS
SEARCH TIME: 00.00.01

L28 94 SEA SUB=L18 SSS FUL L26 AND L22 AND L23

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```
=> sav tem g761c1/a l28

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7                STR
L8            29 L7
L9                SCR 1839
L10           29 L7 AND L9
L11               STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14               STR L11
L15           32 L14 SAM SUB=L12
                  E FURAN/CN
L16            1 E3
                  E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18
L20               STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21               STR L20
L22               SCR 1707 OR 1708
L23               SCR 1840
L24            2 L22 AND L23 AND L21
L25           36 L22 AND L23 AND L21 SAM SUB=L18
L26               STR L21
L27            4 L26 AND L22 AND L23 SAM SUB=L18
L28           94 L26 AND L22 AND L23 FULL SUB=L18
                  SAV TEM G761C1/A L28

=> str l7
:dis

                                    Ak @7
Cb^G1^Cb      Ak^Hy^Ak                    Hy^Ak          Hy @10
 1   2   3    @4   5   @6                 @8  @9


VAR G1=4-1 6-3/7/8-1 9-3/10
:del s 4,s 8,10
:dis
```

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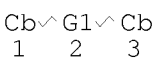
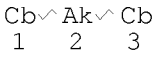
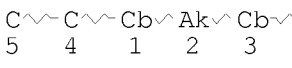
Ak @7



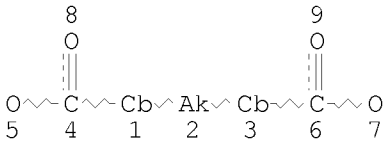

```
VAR G1=4-1 6-3/7/8-1 9-3/10
:del 7
:nod 2 ak,eco 2 m3-x5 c,dis sia
```




```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M3-X5 C  AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   3

STEREO ATTRIBUTES: NONE
:att c2 1,c2 3
:dis sia
```




```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M3-X5 C  AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7

STEREO ATTRIBUTES: NONE
:nod 5 7 o,att o 4 vn d,6 o vn d,dis sia
```




```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M3-X5 C  AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
:del 8 9
:dis
```

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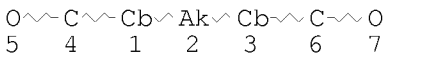
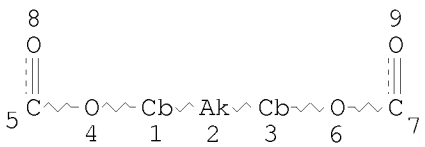


:nod 4 6 o,5 7 c,att o 5 vn d,7 o vn d,dis sia



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M3-X5 C AT 2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE
:end
L29 STRUCTURE CREATED

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

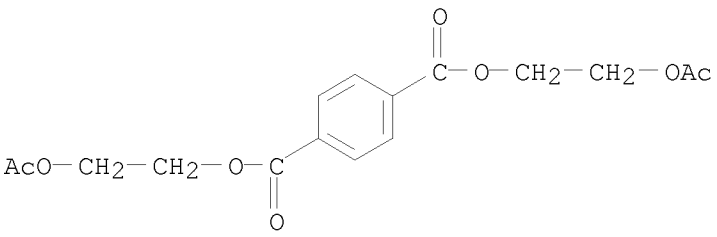
FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9
L11 STR L7
L12 336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13 50 L11 SAM SUB=L12
L14 STR L11
L15 32 L14 SAM SUB=L12
E FURAN/CN
L16 1 E3
E THF/CN
L17 1 E3
L18 130953 L12 AND 16.138.1/RID
L19 49 L14 SAM SUB=L18
L20 STR L14

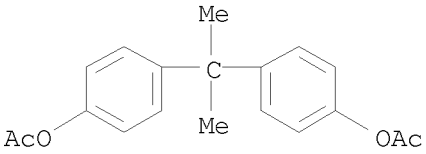
FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008

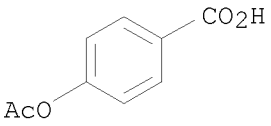
```
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7

=> l29
SAMPLE SEARCH INITIATED 15:06:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   159857 TO ITERATE

  1.3% PROCESSED     2000 ITERATIONS                                 2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      3173552 TO  3220728
PROJECTED ANSWERS:            2439 TO     3955

L30           2 SEA SSS SAM L29

=> d sca

L30  2 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   1,4-Benzenedicarboxylic acid, polymer with 4-(acetyloxy)benzoic acid,
     bis[2-(acetyloxy)ethyl] 1,4-benzenedicarboxylate, 1,2-ethanediol and
     (1-methylethylidene)di-4,1-phenylene diacetate, block (9CI)
MF   (C19 H20 O4 . C16 H18 O8 . C9 H8 O4 . C8 H6 O4 . C2 H6 O2)x
CI   PMS

     CM   1
```



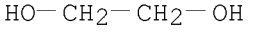

```
     CM   2
```



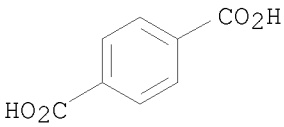
CM 3



CM 4



CM 5



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9

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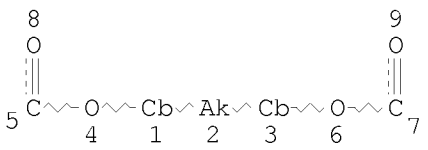
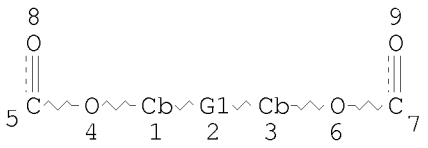
```
L11             STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14             STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7
L30           2 L29

=> str l29
:dis
```




```
:nod 2 g1
:rep g1=(3-5) c,dis sia
```




```
REP G1=(3-5) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
:end
L31  STRUCTURE CREATED

=> d his
```

```
     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7                STR
L8            29 L7
L9                SCR 1839
L10           29 L7 AND L9
L11               STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14               STR L11
L15           32 L14 SAM SUB=L12
                  E FURAN/CN
L16            1 E3
                  E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18
L20               STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21               STR L20
L22               SCR 1707 OR 1708
L23               SCR 1840
L24            2 L22 AND L23 AND L21
L25           36 L22 AND L23 AND L21 SAM SUB=L18
L26               STR L21
L27            4 L26 AND L22 AND L23 SAM SUB=L18
L28           94 L26 AND L22 AND L23 FULL SUB=L18
                  SAV TEM G761C1/A L28
L29               STR L7
L30            2 L29
L31               STR L29

=> l31
SAMPLE SEARCH INITIATED 15:07:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   132971 TO ITERATE

  1.5% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
```

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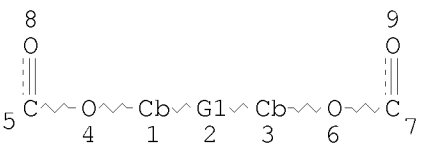
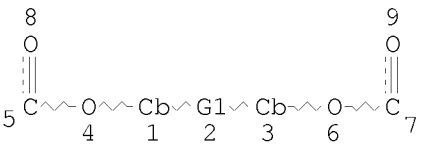
PROJECTED ITERATIONS: 2637845 TO 2680995
PROJECTED ANSWERS: 0 TO 0

L32 0 SEA SSS SAM L31

=> str l31
:dis



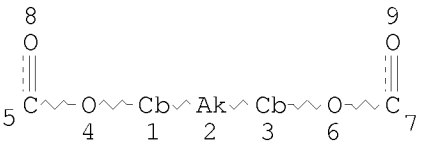
REP G1=(3-5) C
:nod 2 ak.dis sia
ELEMENT SYMBOL NOT VALID
An element symbol specified is not valid. Enter "HELP NODE" for more information.
:dis sia



REP G1=(3-5) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE
:nod 2 ak,dis sia



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE
:att c2 2 vn,c2 2 vs,dis

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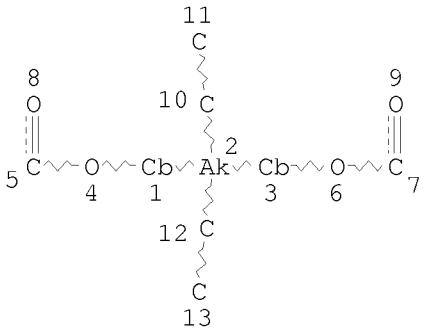
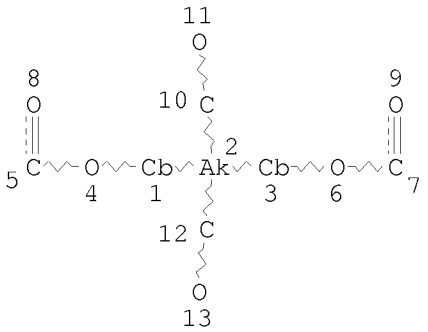


:nod 11 13 o,dis sia



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
:end
L33 STRUCTURE CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

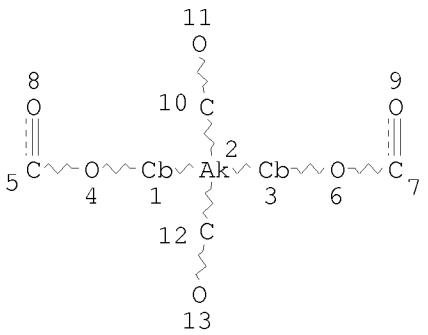
     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1   1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2   TRA L1 1- RN :   16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3   16 SEA L2
L4   10 L3 AND >=2 46.150.18/RID
L5   1 L3 AND OC4-C6-C6/ES
L6   1 L3 AND C6-C6/ES

```
L7              STR
L8           29 L7
L9              SCR 1839
L10          29 L7 AND L9
L11             STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14             STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7
L30           2 L29
L31             STR L29
L32           0 L31
L33             STR L31

=> l33
GENERIC GROUP NOT VALID HERE
Generic groups may not be used in these circumstances:

       1.  Any generic group node (e.g., Hy) in a ring.
       2.  An Ak node attached to another Ak node.
       3.  An Ak node with three or more attachments where
           one or more of the attachments is to a C node.

=> str l33
:dis
```



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:end
L34 STRUCTURE CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1   1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2   TRA L1 1- RN :   16 TERMS

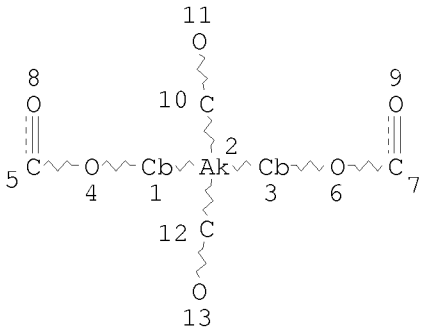
     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3   16 SEA L2
L4   10 L3 AND >=2 46.150.18/RID
L5   1 L3 AND OC4-C6-C6/ES
L6   1 L3 AND C6-C6/ES
L7   STR
L8   29 L7
L9   SCR 1839
L10   29 L7 AND L9
L11   STR L7
L12   336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13   50 L11 SAM SUB=L12
L14   STR L11
L15   32 L14 SAM SUB=L12
                E FURAN/CN
L16   1 E3
                E THF/CN
L17   1 E3
L18   130953 L12 AND 16.138.1/RID
L19   49 L14 SAM SUB=L18
L20   STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21   STR L20
L22   SCR 1707 OR 1708
L23   SCR 1840
L24   2 L22 AND L23 AND L21
L25   36 L22 AND L23 AND L21 SAM SUB=L18
L26   STR L21
L27   4 L26 AND L22 AND L23 SAM SUB=L18
L28   94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29   STR L7
L30   2 L29
L31   STR L29
L32   0 L31
L33   STR L31
L34   STR L33

=> d que l33
L33   STR

10521761



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

=> del l33- y

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

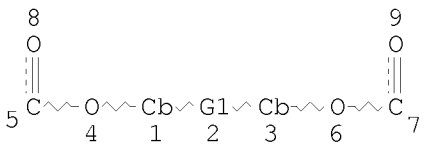
     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1   1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2   TRA L1 1- RN :   16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3   16 SEA L2
L4   10 L3 AND >=2 46.150.18/RID
L5   1 L3 AND OC4-C6-C6/ES
L6   1 L3 AND C6-C6/ES
L7   STR
L8   29 L7
L9   SCR 1839
L10   29 L7 AND L9
L11   STR L7
L12   336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13   50 L11 SAM SUB=L12
L14   STR L11
L15   32 L14 SAM SUB=L12
                 E FURAN/CN
L16   1 E3
                 E THF/CN
L17   1 E3
L18   130953 L12 AND 16.138.1/RID

```
L19           49 L14 SAM SUB=L18
L20              STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21              STR L20
L22              SCR 1707 OR 1708
L23              SCR 1840
L24            2 L22 AND L23 AND L21
L25           36 L22 AND L23 AND L21 SAM SUB=L18
L26              STR L21
L27            4 L26 AND L22 AND L23 SAM SUB=L18
L28           94 L26 AND L22 AND L23 FULL SUB=L18
                 SAV TEM G761C1/A L28
L29              STR L7
L30            2 L29
L31              STR L29
L32            0 L31

=> d que l31
L31              STR
```




```
REP G1=(3-5) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE


=> d  his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                 SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2               TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
```

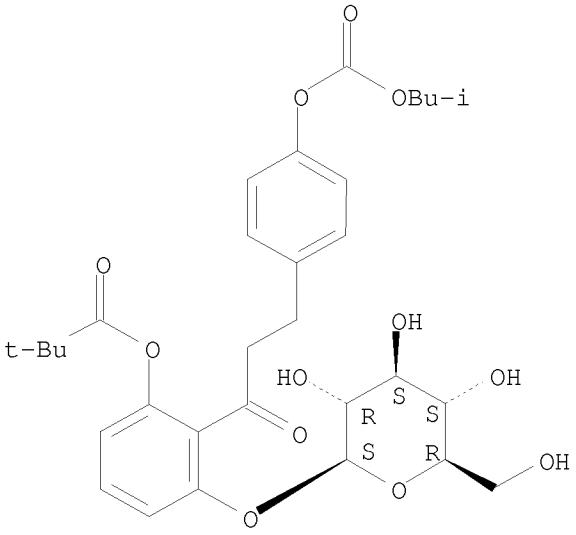
```
L8           29 L7
L9              SCR 1839
L10          29 L7 AND L9
L11             STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14             STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7
L30           2 L29
L31             STR L29
L32           0 L31

=> scr 1701 or 1702 or 1703 or 1704 or 1705
L33   SCREEN CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1            1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3           16 SEA L2
L4           10 L3 AND >=2 46.150.18/RID
L5            1 L3 AND OC4-C6-C6/ES
L6            1 L3 AND C6-C6/ES
L7              STR
L8           29 L7
L9              SCR 1839
L10          29 L7 AND L9
L11             STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
```

```
L13          50 L11 SAM SUB=L12
L14             STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7
L30           2 L29
L31             STR L29
L32           0 L31
L33             SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705

=> l31 and l33
SAMPLE SEARCH INITIATED 15:12:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    29811 TO ITERATE

  6.7% PROCESSED     2000 ITERATIONS                                 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       585893 TO   606547
PROJECTED ANSWERS:               0 TO        0

L34           0 SEA SSS SAM L31 AND L33

=> l31 and l33 full
FULL SEARCH INITIATED 15:12:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   587831 TO ITERATE

 98.8% PROCESSED   580727 ITERATIONS                               33 ANSWERS

100.0% PROCESSED   587831 ITERATIONS                               33 ANSWERS
SEARCH TIME: 00.00.25

L35          33 SEA SSS FUL L31 AND L33

=> sav tem g761c1n/a l35

=> d sca

L35  33 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
```

10521761

IN Propanoic acid, 2,2-dimethyl-, 3-(β-D-glucopyranosyloxy)-2-[3-[4-[[(2-methylpropoxy)carbonyl]oxy]phenyl]-1-oxopropyl]phenyl ester
MF C31 H40 O12

Absolute stereochemistry.

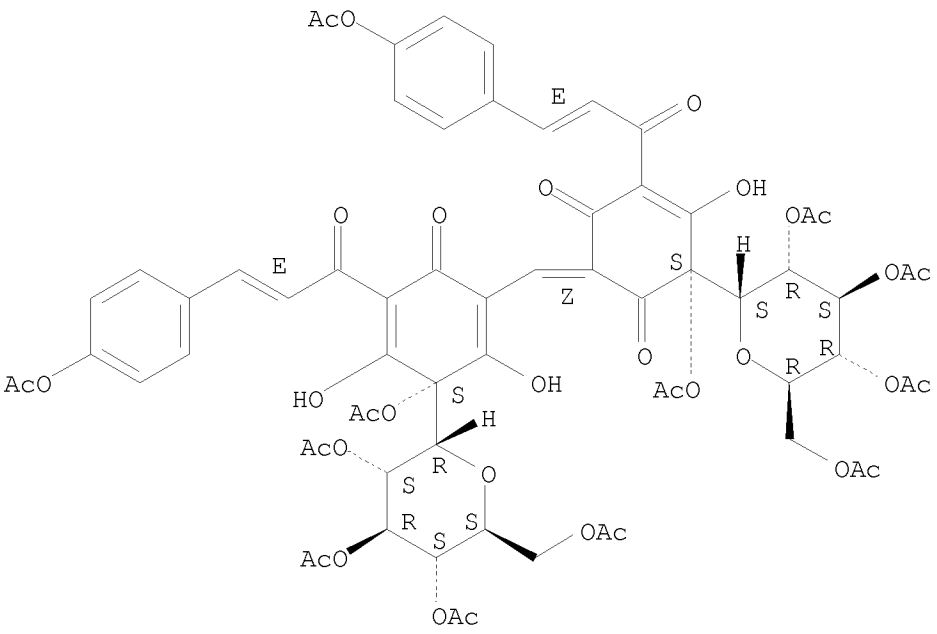


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L35 33 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Cyclohexene-1,3-dione, 6-(acetyloxy)-2-[[(3S)-3-(acetyloxy)-5-[(2E)-3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-2,4-dihydroxy-6-oxo-3-[(2R,3S,4R,5S,6S)-3,4,5-tris(acetyloxy)-6-[(acetyloxy)methyl]tetrahydro-2H-pyran-2-yl]-1,4-cyclohexadien-1-yl]methylene]-4-[(2E)-3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-5-hydroxy-6-[(2S,3R,4S,5R,6R)-3,4,5-tris(acetyloxy)-6-[(acetyloxy)methyl]tetrahydro-2H-pyran-2-yl]-, (2Z,6S)- (9CI)
MF C67 H66 O34

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9
L11 STR L7
L12 336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13 50 L11 SAM SUB=L12
L14 STR L11
L15 32 L14 SAM SUB=L12
E FURAN/CN
L16 1 E3

```
                E THF/CN
L17             1 E3
L18        130953 L12 AND 16.138.1/RID
L19            49 L14 SAM SUB=L18
L20               STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21               STR L20
L22               SCR 1707 OR 1708
L23               SCR 1840
L24             2 L22 AND L23 AND L21
L25            36 L22 AND L23 AND L21 SAM SUB=L18
L26               STR L21
L27             4 L26 AND L22 AND L23 SAM SUB=L18
L28            94 L26 AND L22 AND L23 FULL SUB=L18
                  SAV TEM G761C1/A L28
L29               STR L7
L30             2 L29
L31               STR L29
L32             0 L31
L33               SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34             0 L31 AND L33
L35            33 L31 AND L33 FULL
                  SAV TEM G761C1N/A L35

=> l28,l35 and l3
L36             0 (L28 OR L35) AND L3

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                  SET AUTOSEARCH ON
L1              1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2                TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3             16 SEA L2
L4             10 L3 AND >=2 46.150.18/RID
L5              1 L3 AND OC4-C6-C6/ES
L6              1 L3 AND C6-C6/ES
L7                STR
L8             29 L7
L9                SCR 1839
L10            29 L7 AND L9
L11               STR L7
L12        336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13            50 L11 SAM SUB=L12
L14               STR L11
L15            32 L14 SAM SUB=L12
                  E FURAN/CN
L16             1 E3
                  E THF/CN
```

```
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7
L30           2 L29
L31             STR L29
L32           0 L31
L33             SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34           0 L31 AND L33
L35          33 L31 AND L33 FULL
                SAV TEM G761C1N/A L35
L36           0 L28,L35 AND L3

=> b stng
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                367.76     480.43

FILE 'STNGUIDE' ENTERED AT 15:14:39 ON 12 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun  6, 2008 (20080606/UP).

=> b reg
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                  0.12     480.55

FILE 'REGISTRY' ENTERED AT 15:15:43 ON 12 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   11 JUN 2008  HIGHEST RN 1027436-61-8
DICTIONARY FILE UPDATES:  11 JUN 2008  HIGHEST RN 1027436-61-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
```

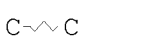
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> str

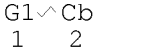
:gra c2,dis sia



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 2

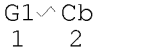
STEREO ATTRIBUTES: NONE
:nod 1 g1,2 cb
:dis sia



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 2

STEREO ATTRIBUTES: NONE
:eco 2 e6 c,dis sia

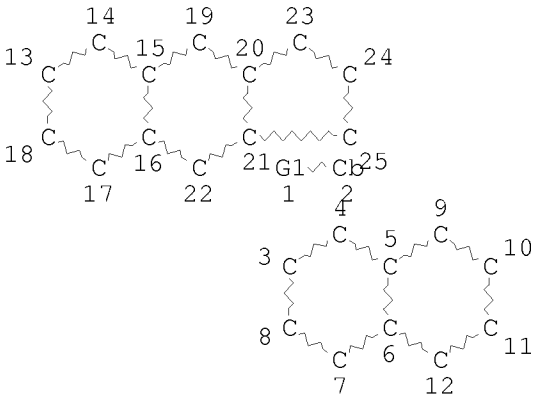


NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT 2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 2

STEREO ATTRIBUTES: NONE
:gra r66,r665
:dis sia

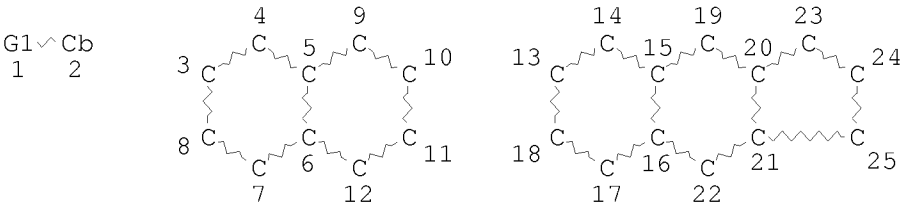
10521761



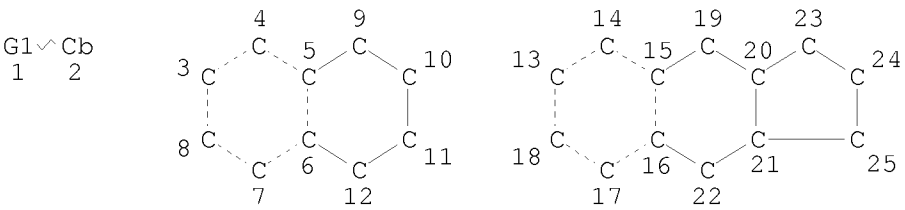
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE
:arr,dis



:bon r 5 9 se,r 3 4 m,r 15 19 se,r13 14 n,r 20 24 se,dis sia
BOND TYPE/VALUE NOT VALID
The bond type and/or value is not valid. Enter "HELP BOND" for more information.
:bon r 5 9 se,r 3 4 n,r 15 19 se,r13 14 n,r 20 24 se,dis sia
NODE AND TYPE NOT VALID
Both a node number and a bond type are not valid. Enter "DIS" to look at the structure. Enter "HELP BOND" for more information.
:bon r 5 9 se,r 3 4 n,r 15 19 se,r 13 14 n,r 20 24 se,dis sia

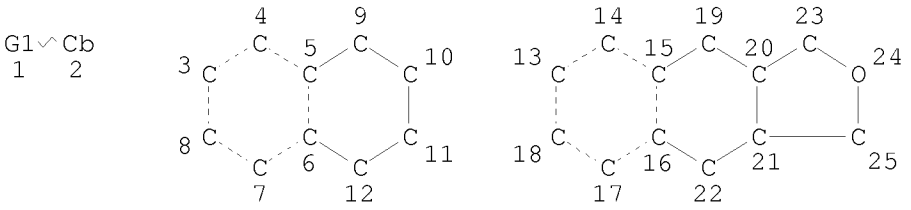


NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT   2

10521761

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 25

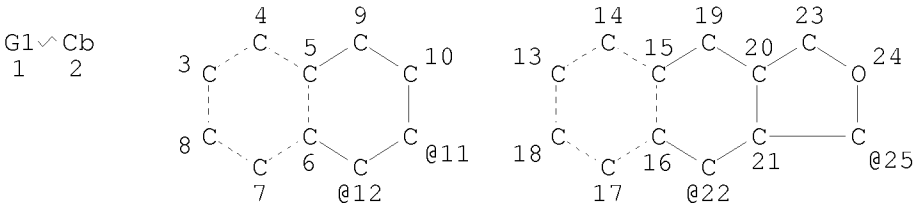
STEREO ATTRIBUTES: NONE
:nod 24 o,dis sia



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE
:var g1=11/12/22/25
:dis sia



VAR G1=11/12/22/25
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE
:end
L37 STRUCTURE CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
               SET AUTOSEARCH ON
L1   1 US20050249857/PN

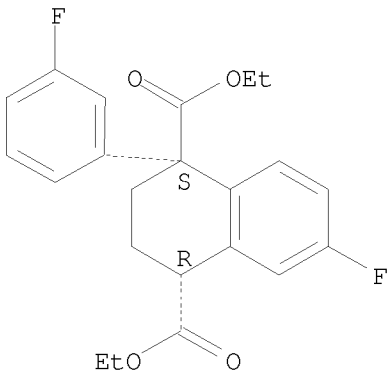
     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

```
     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9
L11              STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14              STR L11
L15           32 L14 SAM SUB=L12
                 E FURAN/CN
L16            1 E3
                 E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18
L20              STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21              STR L20
L22              SCR 1707 OR 1708
L23              SCR 1840
L24            2 L22 AND L23 AND L21
L25           36 L22 AND L23 AND L21 SAM SUB=L18
L26              STR L21
L27            4 L26 AND L22 AND L23 SAM SUB=L18
L28           94 L26 AND L22 AND L23 FULL SUB=L18
                 SAV TEM G761C1/A L28
L29              STR L7
L30            2 L29
L31              STR L29
L32            0 L31
L33              SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34            0 L31 AND L33
L35           33 L31 AND L33 FULL
                 SAV TEM G761C1N/A L35
L36            0 L28,L35 AND L3

     FILE 'STNGUIDE' ENTERED AT 15:14:39 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 15:15:43 ON 12 JUN 2008
L37              STR

=> l37
SAMPLE SEARCH INITIATED 15:18:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    32405 TO ITERATE

  6.2% PROCESSED     2000 ITERATIONS                              46 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
```

10521761

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       637336 TO   658864
PROJECTED ANSWERS:           13269 TO    16543

L38          46 SEA SSS SAM L37

=> 46.150.18/rid and (c5-c6-c6 or c6-c6)/es
      22121069 46.150.18/RID
        155314 C5-C6-C6/ES
       1122454 C6-C6/ES
L39     694251 46.150.18/RID AND (C5-C6-C6 OR C6-C6)/ES

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1            1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2              TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3           16 SEA L2
L4           10 L3 AND >=2 46.150.18/RID
L5            1 L3 AND OC4-C6-C6/ES
L6            1 L3 AND C6-C6/ES
L7               STR
L8           29 L7
L9               SCR 1839
L10          29 L7 AND L9
L11              STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14              STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20              STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21              STR L20
L22              SCR 1707 OR 1708
L23              SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26              STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
```

```
L29             STR L7
L30           2 L29
L31             STR L29
L32           0 L31
L33             SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34           0 L31 AND L33
L35          33 L31 AND L33 FULL
                SAV TEM G761C1N/A L35
L36           0 L28,L35 AND L3

     FILE 'STNGUIDE' ENTERED AT 15:14:39 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 15:15:43 ON 12 JUN 2008
L37             STR
L38          46 L37
L39      694251 46.150.18/RID AND (C5-C6-C6 OR C6-C6)/ES

=> l37 sub=l39 sam
SAMPLE SUBSET SEARCH INITIATED 15:19:18 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED -     3321 TO ITERATE

 60.2% PROCESSED     2000 ITERATIONS                              50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET):           ONLINE  **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):        62964 TO    69876
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET):            3975 TO     5855

L40          50 SEA SUB=L39 SSS SAM L37

=> d sca

L40  50 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   1,4-Naphthalenedicarboxylic acid, 6-fluoro-1-(3-fluorophenyl)-1,2,3,4-
     tetrahydro-, 1,4-diethyl ester, (1R,4S)-rel-
MF   C22 H22 F2 O4

Relative stereochemistry.
```

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0
```

10521761

=> d his

```
     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
                SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7                STR
L8            29 L7
L9                SCR 1839
L10           29 L7 AND L9
L11               STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14               STR L11
L15           32 L14 SAM SUB=L12
                  E FURAN/CN
L16            1 E3
                  E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18
L20               STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

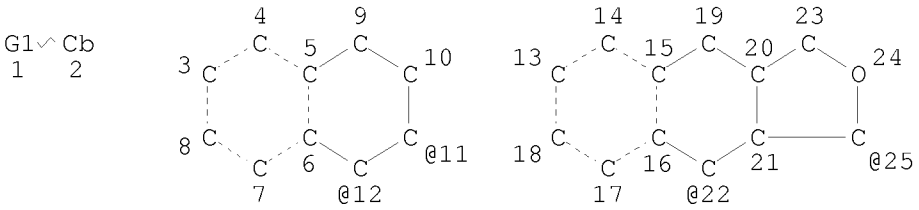
     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21               STR L20
L22               SCR 1707 OR 1708
L23               SCR 1840
L24            2 L22 AND L23 AND L21
L25           36 L22 AND L23 AND L21 SAM SUB=L18
L26               STR L21
L27            4 L26 AND L22 AND L23 SAM SUB=L18
L28           94 L26 AND L22 AND L23 FULL SUB=L18
                  SAV TEM G761C1/A L28
L29               STR L7
L30            2 L29
L31               STR L29
L32            0 L31
L33               SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34            0 L31 AND L33
L35           33 L31 AND L33 FULL
                  SAV TEM G761C1N/A L35
L36            0 L28,L35 AND L3

     FILE 'STNGUIDE' ENTERED AT 15:14:39 ON 12 JUN 2008
```

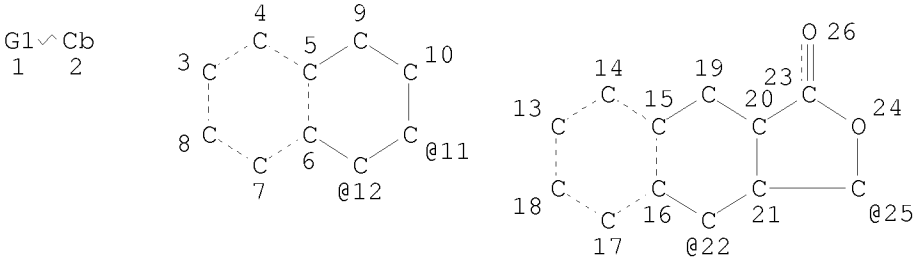
10521761

```
     FILE 'REGISTRY' ENTERED AT 15:15:43 ON 12 JUN 2008
L37             STR
L38           46 L37
L39       694251 46.150.18/RID AND (C5-C6-C6 OR C6-C6)/ES
L40           50 L37 SAM SUB=L39

=> str l37
:dis
```




```
VAR G1=11/12/22/25
:att o 23 vn d,dis sia
```




```
VAR G1=11/12/22/25
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E6 C  AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  26

STEREO ATTRIBUTES: NONE
:end
L41  STRUCTURE CREATED

=> d his

     (FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

     FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
               SET AUTOSEARCH ON
L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
```

```
L5            1 L3 AND OC4-C6-C6/ES
L6            1 L3 AND C6-C6/ES
L7              STR
L8           29 L7
L9              SCR 1839
L10          29 L7 AND L9
L11             STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14             STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7
L30           2 L29
L31             STR L29
L32           0 L31
L33             SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34           0 L31 AND L33
L35          33 L31 AND L33 FULL
                SAV TEM G761C1N/A L35
L36           0 L28,L35 AND L3

     FILE 'STNGUIDE' ENTERED AT 15:14:39 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 15:15:43 ON 12 JUN 2008
L37             STR
L38          46 L37
L39      694251 46.150.18/RID AND (C5-C6-C6 OR C6-C6)/ES
L40          50 L37 SAM SUB=L39
L41             STR L37

=> l41 sub=l39 sam
SAMPLE SUBSET SEARCH INITIATED 15:20:22 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED -     3321 TO ITERATE

 60.2% PROCESSED     2000 ITERATIONS                              50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET):           ONLINE  **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):        62964 TO    69876
```

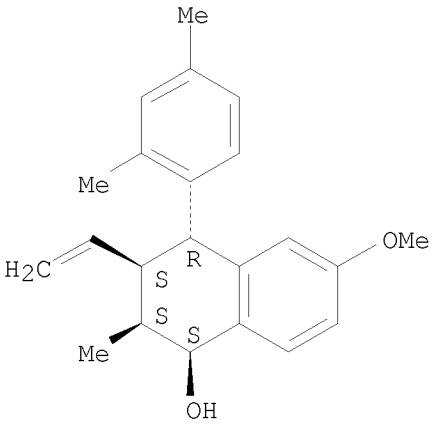
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 3975 TO 5855

L42 50 SEA SUB=L39 SSS SAM L41

=> d sca

L42 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 1-Naphthalenol, 4-(2,4-dimethylphenyl)-3-ethenyl-1,2,3,4-tetrahydro-6-methoxy-2-methyl-, (1R,2R,3R,4S)-rel-
MF C22 H26 O2

Relative stereochemistry.

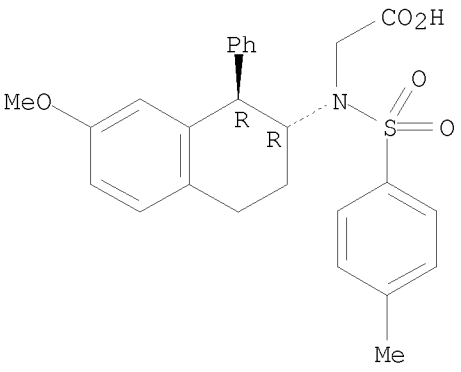


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L42 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Glycine, N-[(4-methylphenyl)sulfonyl]-N-[(1R,2R)-1,2,3,4-tetrahydro-7-methoxy-1-phenyl-2-naphthalenyl]-
MF C26 H27 N O5 S

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10521761

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> l41 sub=l39 full
FULL SUBSET SEARCH INITIATED 15:20:48 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 67200 TO ITERATE

100.0% PROCESSED 67200 ITERATIONS 7953 ANSWERS
SEARCH TIME: 00.00.01

L43 7953 SEA SUB=L39 SSS FUL L41

=> sav tem g761c1n2/a l43

=> log h
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 197.49 678.04

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:21:07 ON 12 JUN 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTASYG1600

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 15:23:35 ON 12 JUN 2008
FILE 'REGISTRY' ENTERED AT 15:23:35 ON 12 JUN 2008
COPYRIGHT (C) 2008 American Chemical Society (ACS)

COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 197.49 678.04

=> d his

(FILE 'HOME' ENTERED AT 14:28:12 ON 12 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 14:29:08 ON 12 JUN 2008
SET AUTOSEARCH ON
L1 1 US20050249857/PN

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2 TRA L1 1- RN : 16 TERMS

FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3 16 SEA L2
L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES

```
L7              STR
L8           29 L7
L9              SCR 1839
L10          29 L7 AND L9
L11             STR L7
L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14             STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7
L30           2 L29
L31             STR L29
L32           0 L31
L33             SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34           0 L31 AND L33
L35          33 L31 AND L33 FULL
                SAV TEM G761C1N/A L35
L36           0 L28,L35 AND L3

     FILE 'STNGUIDE' ENTERED AT 15:14:39 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 15:15:43 ON 12 JUN 2008
L37             STR
L38          46 L37
L39      694251 46.150.18/RID AND (C5-C6-C6 OR C6-C6)/ES
L40          50 L37 SAM SUB=L39
L41             STR L37
L42          50 L41 SAM SUB=L39
L43        7953 L41 FULL SUB=L39
                SAV TEM G761C1N2/A L43

=> fil caplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                 197.95     678.50

FILE 'CAPLUS' ENTERED AT 15:24:14 ON 12 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)
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10521761

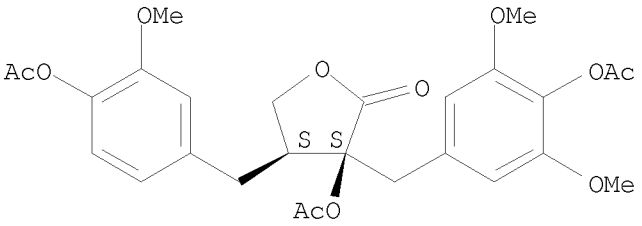
FILE COVERS 1907 - 12 Jun 2008 VOL 148 ISS 24
FILE LAST UPDATED: 11 Jun 2008 (20080611/ED)

=> s l28
L44 86 L28

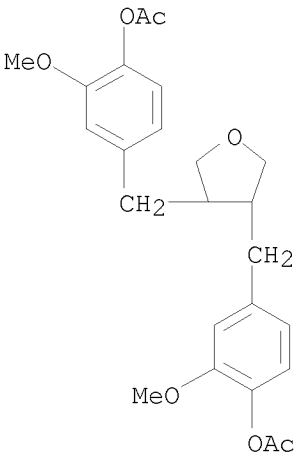
=> d hitstr 1-86

L44 ANSWER 1 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 957467-24-2P
RL: ANT (Analyte); PRP (Properties); PUR (Purification or recovery); ANST (Analytical study); PREP (Preparation)
(new lignans from the heartwood of Cunninghamia lanceolata)
RN 957467-24-2 CAPLUS
CN 2(3H)-Furanone, 3-(acetyloxy)-3-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3S,4S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

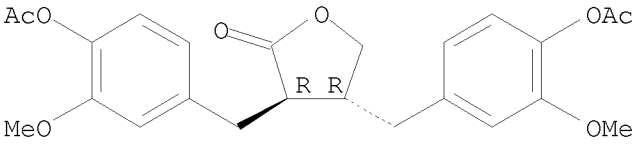


L44 ANSWER 2 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 947685-66-7
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(content of lignin; structure of lignins in developing xylem of Norway spruce (Picea abies))
RN 947685-66-7 CAPLUS
CN Phenol, 4,4'-[(tetrahydro-3,4-furandiyl)bis(methylene)]bis[2-methoxy-, 1,1'-diacetate (CA INDEX NAME)



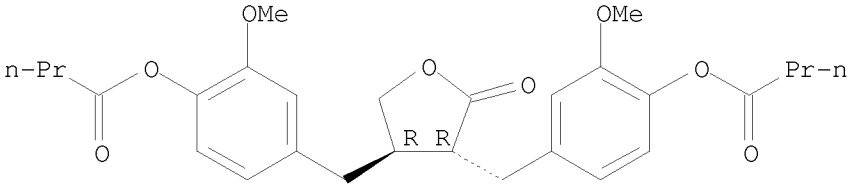
L44 ANSWER 3 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 54797-70-5P, Matairesinol diacetate 578013-40-8P, Matairesinol dibutyrate 578014-11-6P, Matairesinol distearate 578014-47-8P, Matairesinol disuccinate 578014-71-8P, Matairesinol bis(methyl succinate) 578017-11-5P 578017-13-7P
RL: FFD (Food or feed use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of lignan ester derivs. for use in pharmaceutical compns. and as dietary supplements)
RN 54797-70-5 CAPLUS
CN 2(3H)-Furanone, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3R,4R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 578013-40-8 CAPLUS
CN Butanoic acid, [(3R,4R)-tetrahydro-2-oxo-3,4-furandiyl]bis[methylene(2-methoxy-4,1-phenylene)] ester (9CI) (CA INDEX NAME)

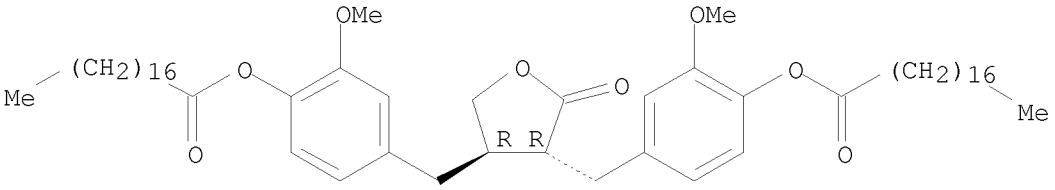
Absolute stereochemistry.



RN 578014-11-6 CAPLUS
CN Octadecanoic acid, [(3R,4R)-tetrahydro-2-oxo-3,4-furandiyl]bis[methylene(2-

methoxy-4,1-phenylene)] ester (9CI) (CA INDEX NAME)

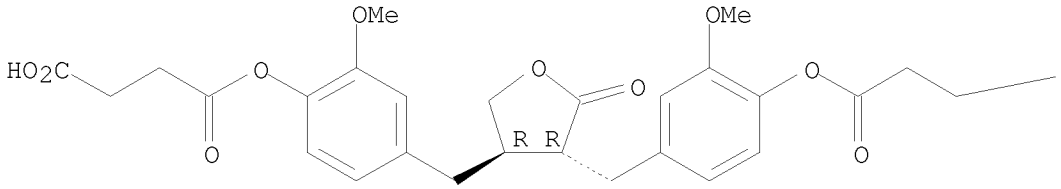
Absolute stereochemistry.



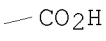
RN 578014-47-8 CAPLUS
CN Butanedioic acid, [(3R,4R)-tetrahydro-2-oxo-3,4-furandiyl]bis[methylene(2-methoxy-4,1-phenylene)] ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



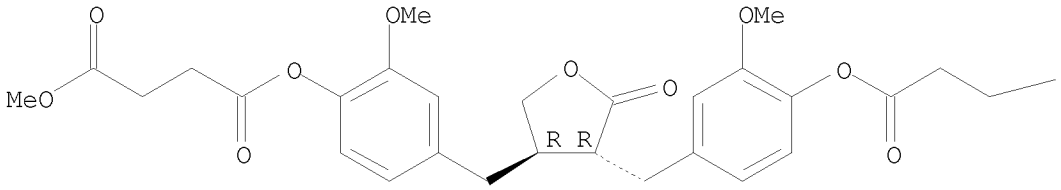
PAGE 1-B



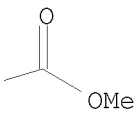
RN 578014-71-8 CAPLUS
CN Butanedioic acid, [(3R,4R)-tetrahydro-2-oxo-3,4-furandiyl]bis[methylene(2-methoxy-4,1-phenylene)] dimethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

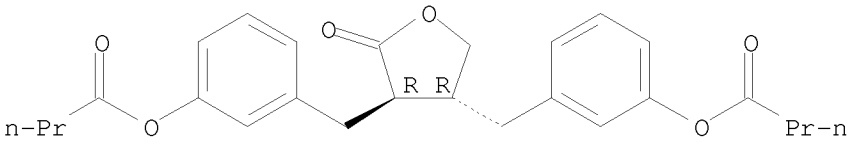


PAGE 1-B



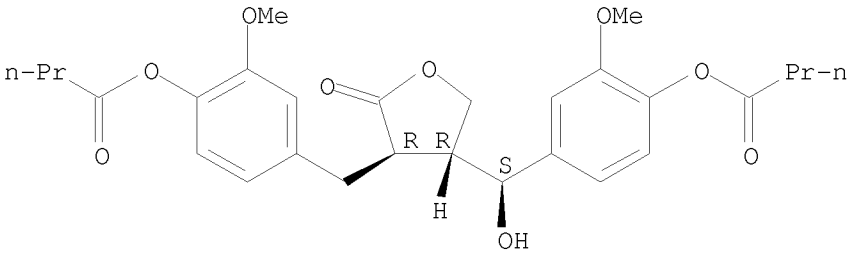
RN 578017-11-5 CAPLUS
CN Butanoic acid, [(3R,4R)-tetrahydro-2-oxo-3,4-furandiyl]bis(methylene-3,1-phenylene) ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



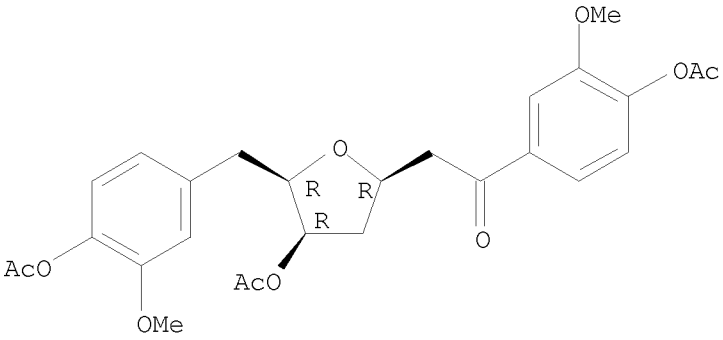
RN 578017-13-7 CAPLUS
CN Butanoic acid, 4-[(S)-hydroxy[(3R,4R)-tetrahydro-4-[[3-methoxy-4-(1-oxobutoxy)phenyl]methyl]-5-oxo-3-furanyl]methyl]-2-methoxyphenyl ester (CA INDEX NAME)

Absolute stereochemistry.



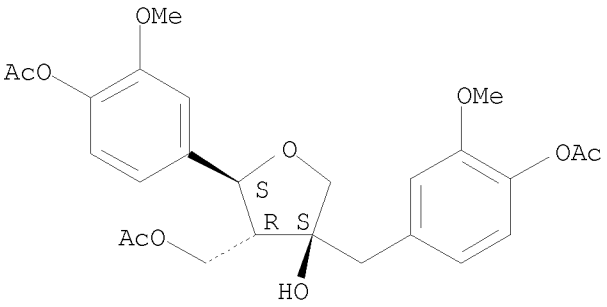
L44 ANSWER 4 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 406955-40-6P, Renealtin A acetate
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(renealtins A and B, new diarylheptanoids with THF ring from seeds of Renealmia exaltata)
RN 406955-40-6 CAPLUS
CN Ethanone, 2-[(2R,4R,5R)-4-(acetyloxy)-5-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-2-furanyl]-1-[4-(acetyloxy)-3-methoxyphenyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



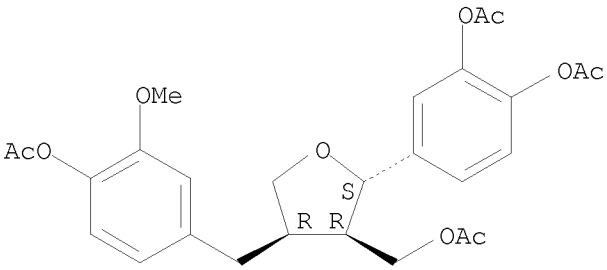
L44 ANSWER 5 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 56440-75-6
RL: PRP (Properties)
(properties of)
RN 56440-75-6 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-4-hydroxy-, α-acetate, (2S,3R,4S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



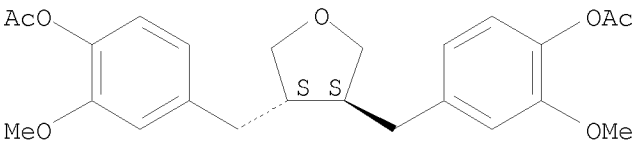
L44 ANSWER 6 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 211371-46-9, Taxiresinol tetraacetate
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)
(bioactive lignans and taxoids from Taxus mairei riits)
RN 211371-46-9 CAPLUS
CN 1,2-Benzenediol, 4-[(2S,3R,4R)-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-[(acetyloxy)methyl]tetrahydro-2-furanyl]-, diacetate (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



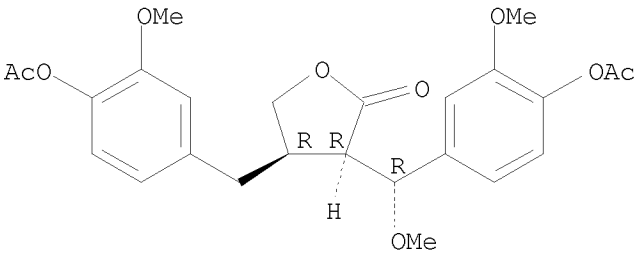
L44 ANSWER 7 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 72092-51-4
RL: BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process)
(preparation of lignans and interaction with sex hormone-binding globulin)
RN 72092-51-4 CAPLUS
CN Phenol, 4,4'-[(tetrahydro-3,4-furandiyl)bis(methylene)]bis[2-methoxy-, diacetate, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



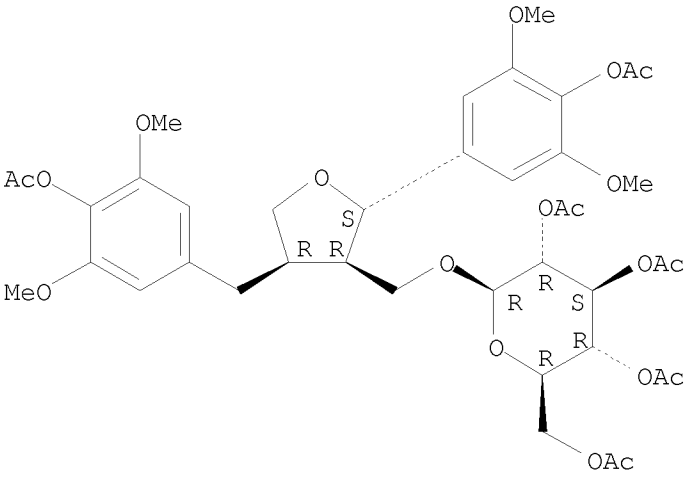
L44 ANSWER 8 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 198827-24-6P, 7(R)-Methoxy-8-epi-matairesinol diacetate
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and properties of; bioactive iridoids and a new lignan from Allamanda cathartica and Himatanthus fallax from the Suriname rainforest)
RN 198827-24-6 CAPLUS
CN 2(3H)-Furanone, 3-[[4-(acetyloxy)-3-methoxyphenyl]methoxymethyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, [3R-[3α(R*),4α]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



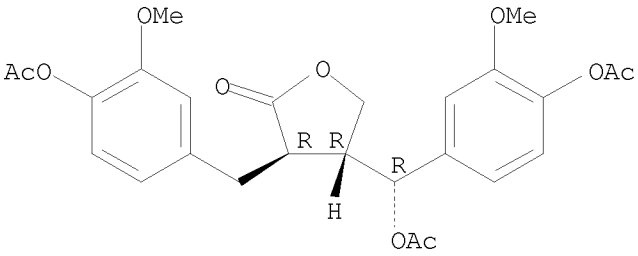
L44 ANSWER 9 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 191481-13-7P, 5,5'-Dimethoxy-9-O-(β-D-glucopyranosyl)lariciresinol hexaacetate
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(alkaloids and other compds. from seeds of Tabernaemontana cymosa)
RN 191481-13-7 CAPLUS
CN β-D-Glucopyranoside, [(2S,3R,4R)-2-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]tetrahydro-3-furanyl]methyl, tetraacetate (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

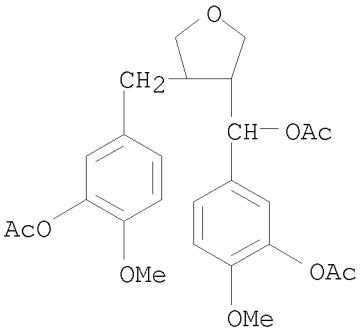


L44 ANSWER 10 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 189204-64-6P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and properties of)
RN 189204-64-6 CAPLUS
CN 2(3H)-Furanone, 4-[(acetyloxy)[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, [3R-[3α,4β(R*)]]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

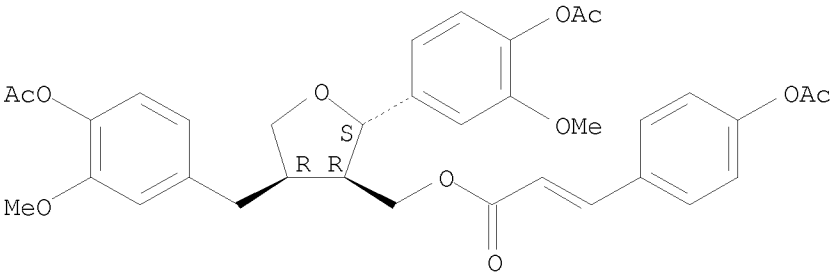


L44 ANSWER 11 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 178178-13-7
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)
(sesquiterpene lactones and other constituents of Stevia maimarensis and Synedrellopsis grisebachii)
RN 178178-13-7 CAPLUS
CN 3-Furanmethanol, α-[3-(acetyloxy)-4-methoxyphenyl]-4-[[3-(acetyloxy)-4-methoxyphenyl]methyl]tetrahydro-, acetate (9CI) (CA INDEX NAME)



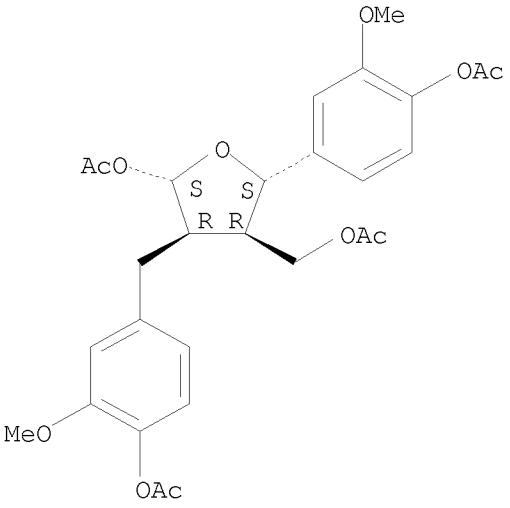
L44 ANSWER 12 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 119740-40-8 158042-34-3 158111-16-1
158189-07-2
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)
(from Abies marocana wood)
RN 119740-40-8 CAPLUS
CN 2-Propenoic acid, 3-[4-(acetyloxy)phenyl]-, [2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-furanyl]methyl ester, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



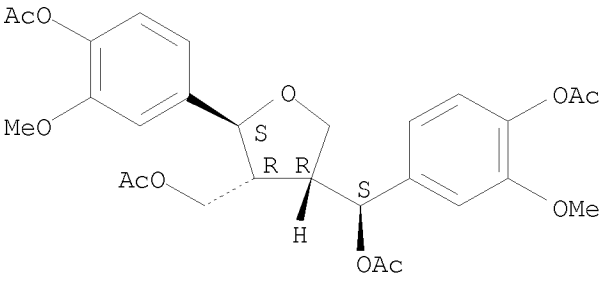
RN 158042-34-3 CAPLUS
CN 3-Furanmethanol, 5-(acetyloxy)-2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β,5α)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



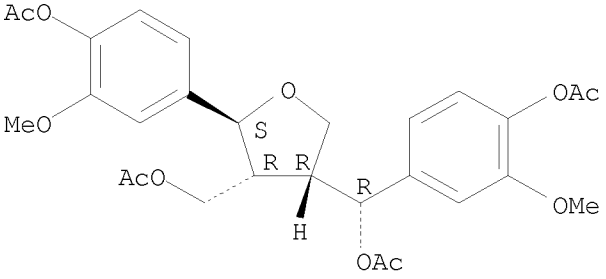
RN 158111-16-1 CAPLUS
CN 3,4-Furandimethanol, α4,2-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate, [2S-[2α,3β,4β(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 158189-07-2 CAPLUS
CN 3,4-Furandimethanol, α4,2-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate, [2S-[2α,3β,4β(S*)]]- (9CI) (CA INDEX NAME)

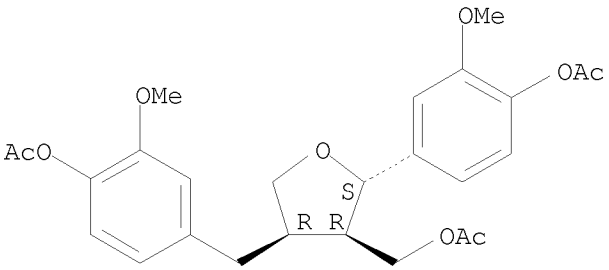
Absolute stereochemistry.



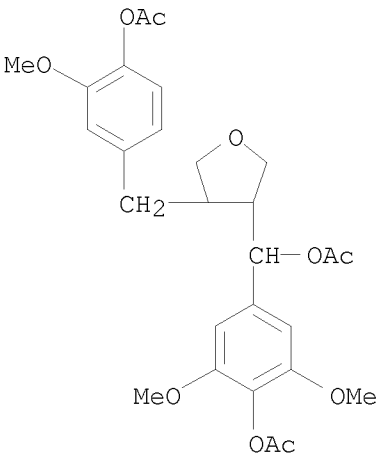
IT 67560-67-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and properties of)
RN 67560-67-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

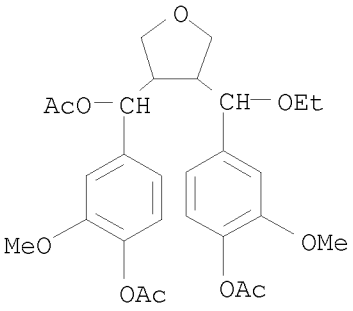
Absolute stereochemistry.



L44 ANSWER 13 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 166983-32-0P, Busaliol triacetate 166983-33-1P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and NMR data of)
RN 166983-32-0 CAPLUS
CN 3-Furanmethanol, α-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate (9CI) (CA INDEX NAME)

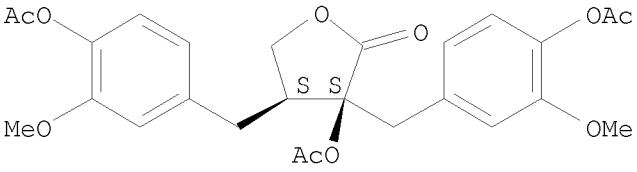


RN 166983-33-1 CAPLUS
CN 3-Furanmethanol, α-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]ethoxymethyl]tetrahydro-, acetate (9CI) (CA INDEX NAME)



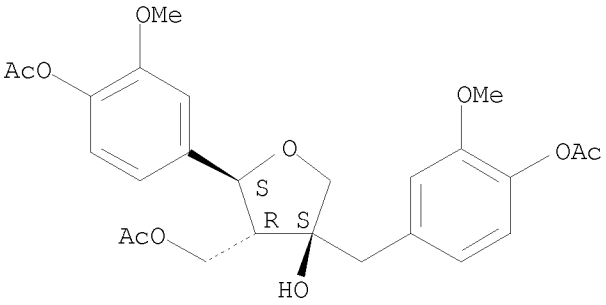
L44 ANSWER 14 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 154634-44-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(biol. activity of secondary metabolites from Bupleurum salicifolium (Umbelliferae))
RN 154634-44-3 CAPLUS
CN 2(3H)-Furanone, 3-(acetyloxy)-3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

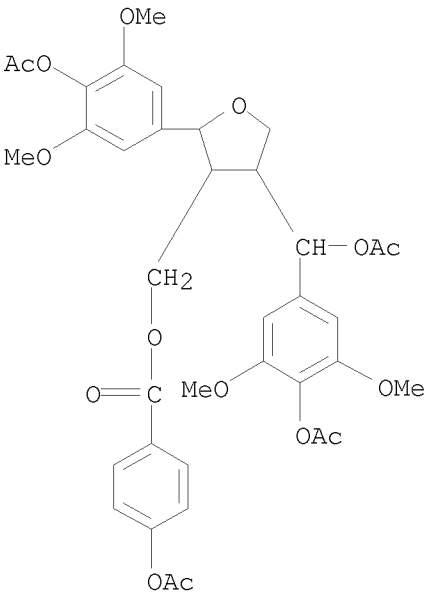


L44 ANSWER 15 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 56440-75-6
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)
(chemical study on the genus Prunus (Rosaceae): comparative studies on the chemical constituents of the barks of the subgenera Cerasus, Padus and Laurocerasus plants)
RN 56440-75-6 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-4-hydroxy-, α-acetate, (2S,3R,4S)-(9CI) (CA INDEX NAME)

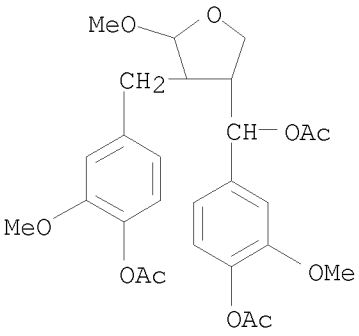
Absolute stereochemistry. Rotation (-).



L44 ANSWER 16 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 159821-58-6
RL: ANT (Analyte); ANST (Analytical study)
(determination of phenolic extractives from wood of Salix sachalinensis Fr. Schm.)
RN 159821-58-6 CAPLUS
CN Benzoic acid, 4-(acetyloxy)-, [4-[(acetyloxy)[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]-2-[4-(acetyloxy)-3,5-dimethoxyphenyl]tetrahydro-3-furanyl]methyl ester (CA INDEX NAME)

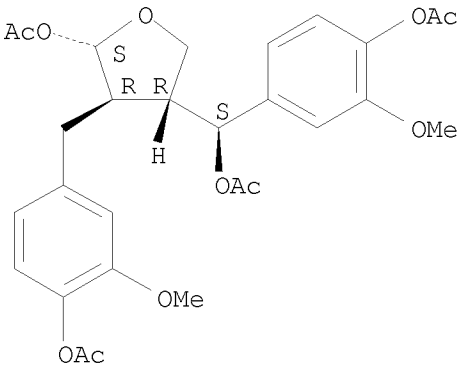


L44 ANSWER 17 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 158372-31-7
RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence)
(lignans of Abies koreana)
RN 158372-31-7 CAPLUS
CN 3-Furanmethanol, α-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-5-methoxy-, acetate (9CI) (CA INDEX NAME)



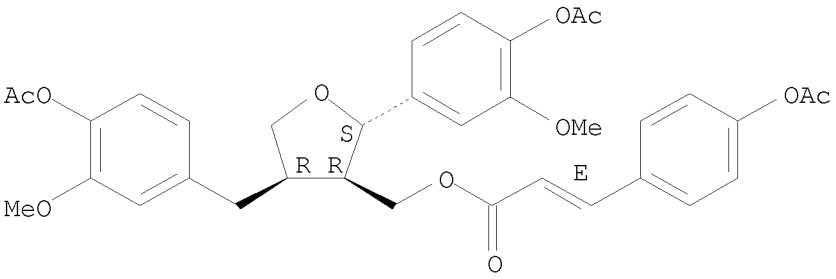
L44 ANSWER 18 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 124265-87-8 158111-17-2
RL: BIOL (Biological study)
(from acetylated Abies pinsapo wood)
RN 124265-87-8 CAPLUS
CN 3-Furanmethanol, 5-(acetyloxy)-α-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [3R-[3α(S*),4β,5α]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



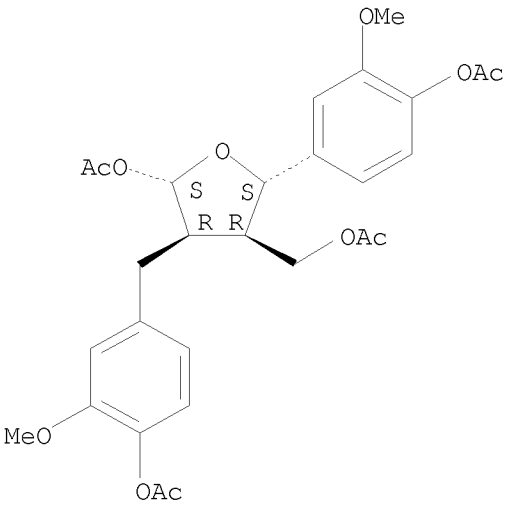
RN 158111-17-2 CAPLUS
CN 2-Propenoic acid, 3-[4-(acetyloxy)phenyl]-, [2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-furanyl]methyl ester, [2S-[2α,3β(E),4β]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



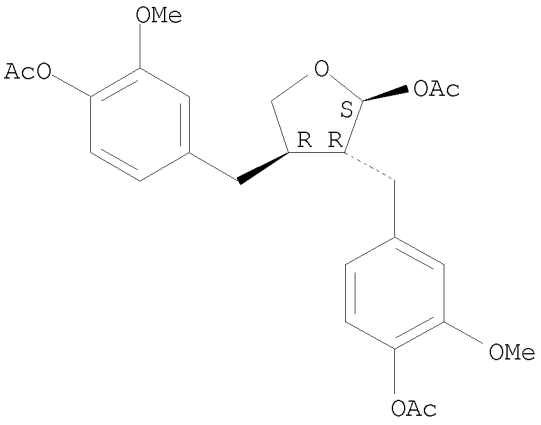
IT 158042-34-3P 158042-36-5P 158111-16-1P
158189-07-2P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and spectral properties of)
RN 158042-34-3 CAPLUS
CN 3-Furanmethanol, 5-(acetyloxy)-2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β,5α)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



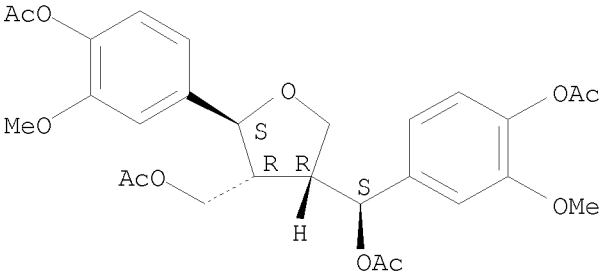
RN 158042-36-5 CAPLUS
CN 2-Furanol, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, acetate, [2S-(2α,3β,4α)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



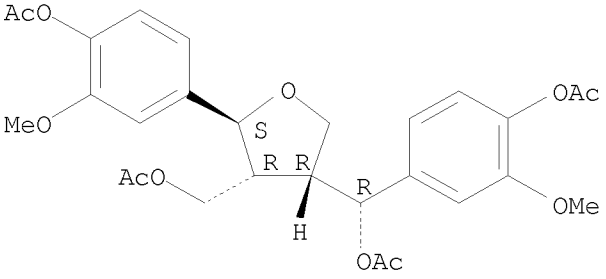
RN 158111-16-1 CAPLUS
CN 3,4-Furandimethanol, α4,2-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate, [2S-[2α,3β,4β(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 158189-07-2 CAPLUS
CN 3,4-Furandimethanol, α4,2-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate, [2S-[2α,3β,4β(S*)]]- (9CI) (CA INDEX NAME)

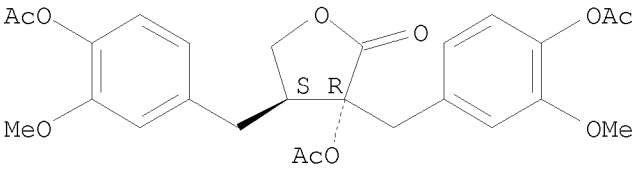
Absolute stereochemistry.



L44 ANSWER 19 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 156616-60-3P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

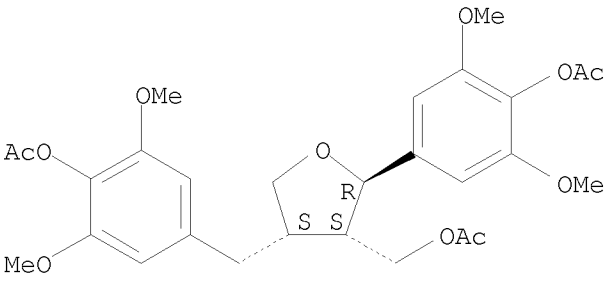
(preparation and NMR of)
RN 156616-60-3 CAPLUS
CN 2(3H)-Furanone, 3-(acetyloxy)-3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



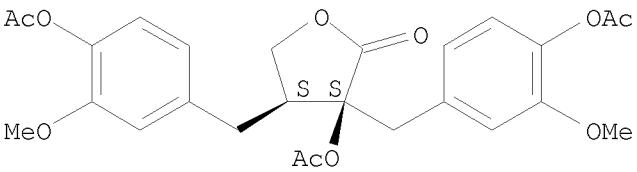
L44 ANSWER 20 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 154461-66-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 154461-66-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]tetrahydro-, acetate, (2α,3β,4β)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L44 ANSWER 21 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 154634-44-3
RL: BIOL (Biological study)
(potato cyst nematode hatch inhibition by, from Bupleurum salicifolium)
RN 154634-44-3 CAPLUS
CN 2(3H)-Furanone, 3-(acetyloxy)-3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3S-cis)- (9CI) (CA INDEX NAME)

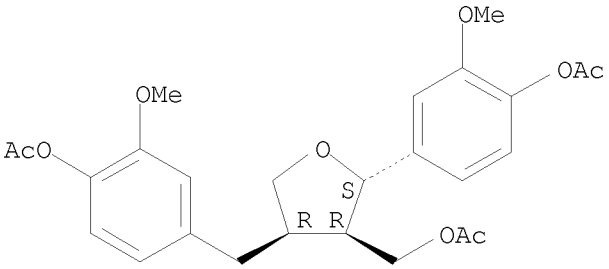
Absolute stereochemistry.



L44 ANSWER 22 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN

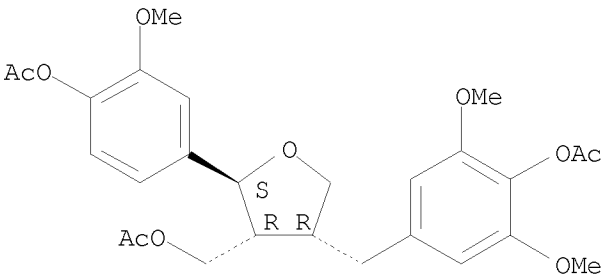
IT 67560-67-2P, (+)-Lariciresinol triacetate
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 67560-67-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



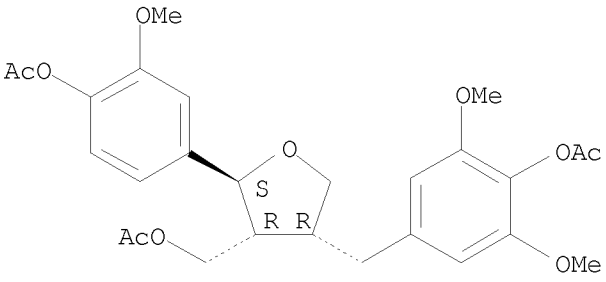
L44 ANSWER 23 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 136051-42-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 136051-42-8 CAPLUS
CN 3-Furanmethanol, 4-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]-2-[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



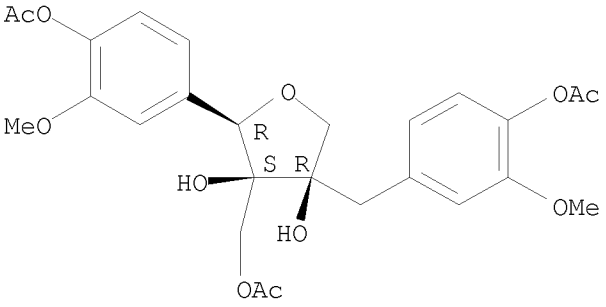
L44 ANSWER 24 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 136051-42-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 136051-42-8 CAPLUS
CN 3-Furanmethanol, 4-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]-2-[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



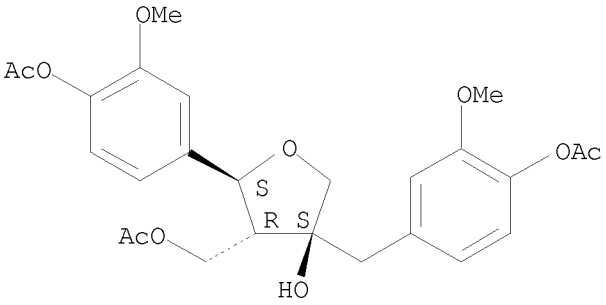
L44 ANSWER 25 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 96087-12-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and oxidation of)
RN 96087-12-6 CAPLUS
CN 3,4-Furandiol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-[(acetyloxy)methyl]tetrahydro-, [2R-(2α,3α,4α)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



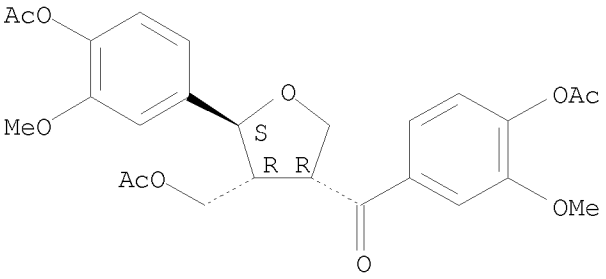
IT 56440-75-6P 133137-65-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 56440-75-6 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-4-hydroxy-, α-acetate, (2S,3R,4S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

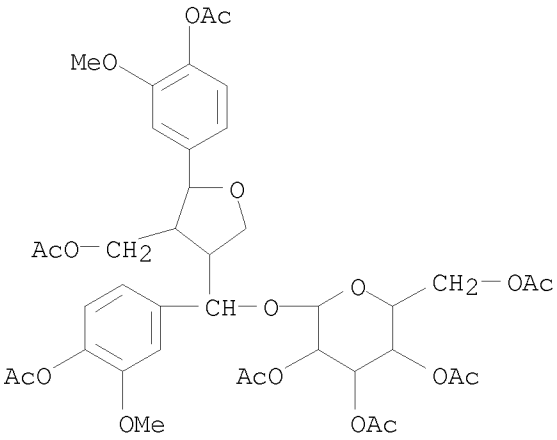


RN 133137-65-2 CAPLUS
CN Methanone, [4-(acetyloxy)-3-methoxyphenyl][5-[4-(acetyloxy)-3-methoxyphenyl]-4-[(acetyloxy)methyl]tetrahydro-3-furanyl]-, [3R-(3α,4α,5β)]- (9CI) (CA INDEX NAME)

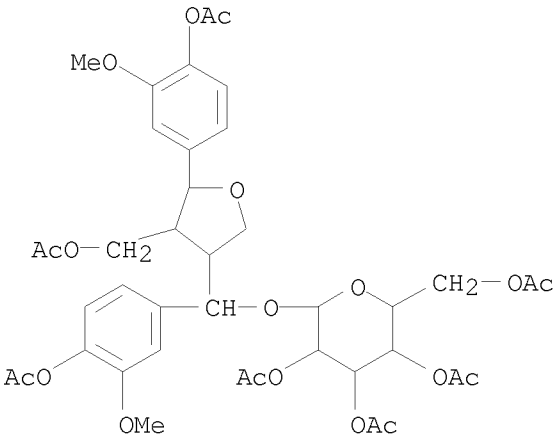
Absolute stereochemistry.



L44 ANSWER 26 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 131653-23-1P 131723-85-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 131653-23-1 CAPLUS
CN β-D-Glucopyranoside, [4-(acetyloxy)-3-methoxyphenyl][5-[4-(acetyloxy)-3-methoxyphenyl]-4-[(acetyloxy)methyl]tetrahydro-3-furanyl]methyl, tetraacetate, [3S-[3α(R*),4β,5α]]- (9CI) (CA INDEX NAME)

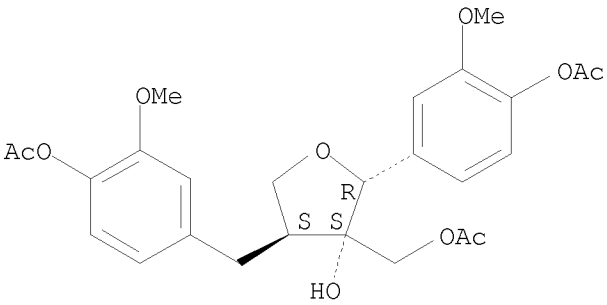


RN 131723-85-8 CAPLUS
CN β-D-Allopyranoside, [4-(acetyloxy)-3-methoxyphenyl][5-[4-(acetyloxy)-3-methoxyphenyl]-4-[(acetyloxy)methyl]tetrahydro-3-furanyl]methyl, tetraacetate, [3S-[3α(R*),4β,5α]]- (9CI) (CA INDEX NAME)



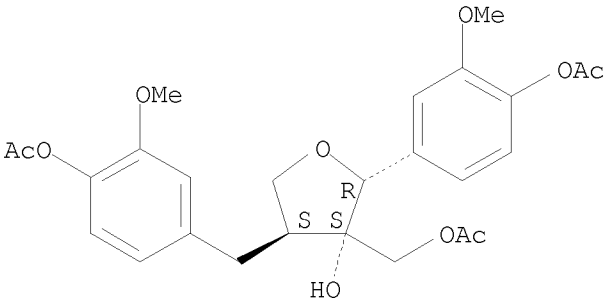
L44 ANSWER 27 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 126906-02-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of (Erratum))
RN 126906-02-3 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-hydroxy-, α-acetate, [2R-(2α,3α,4β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

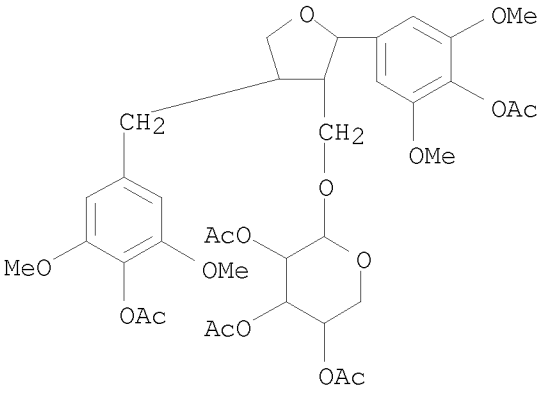


L44 ANSWER 28 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 126906-02-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 126906-02-3 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-hydroxy-, α-acetate, [2R-(2α,3α,4β)]- (9CI) (CA INDEX NAME)

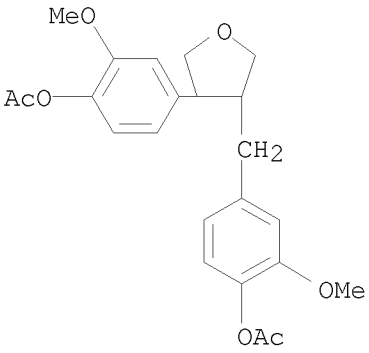
Absolute stereochemistry. Rotation (+).



L44 ANSWER 29 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 126882-64-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 126882-64-2 CAPLUS
CN β-D-Xylopyranoside, [2-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]tetrahydro-3-furanyl]methyl, triacetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

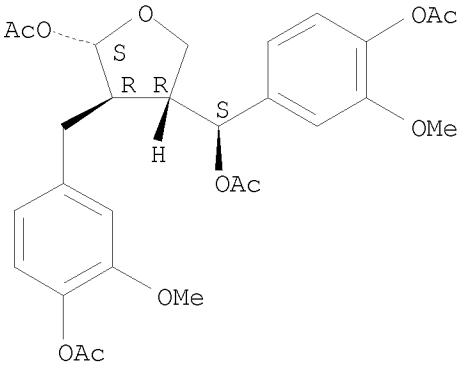


L44 ANSWER 30 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 126026-27-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 126026-27-5 CAPLUS
CN Phenol, 4-[4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-furanyl]-2-methoxy-, acetate, (3S-trans)- (9CI) (CA INDEX NAME)

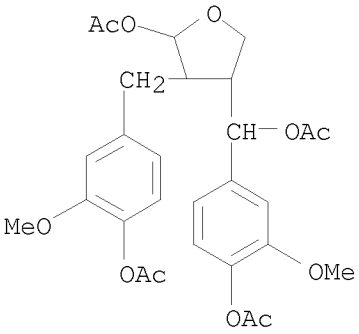


L44 ANSWER 31 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 124265-87-8P 124265-88-9P
RL: PREP (Preparation)
(from firwood, structure of)
RN 124265-87-8 CAPLUS
CN 3-Furanmethanol, 5-(acetyloxy)-α-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [3R-[3α(S*),4β,5α]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 124265-88-9 CAPLUS
CN 3-Furanmethanol, 5-(acetyloxy)-α-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [3R-[3α(R*),4β,5α]]- (9CI) (CA INDEX NAME)



L44 ANSWER 32 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 122585-41-5P, Lophirochalcone undecaacetate 122621-93-6P
, Isombamichalcone hexaacetate
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 122585-41-5 CAPLUS
CN 2-Propen-1-one, 3-[3-[[2,4-bis(acetyloxy)-5-[5-[4-(acetyloxy)phenyl]-3-[[4-(acetyloxy)phenyl]methyl]-4-[2,4-bis(acetyloxy)benzoyl]tetrahydro-2-furanyl]phenyl][2,4-bis(acetyloxy)phenyl]methyl]-2-[4-(acetyloxy)phenyl]-2,3-dihydro-5-benzofuranyl]-1-[2,4-bis(acetyloxy)phenyl]-, [2α[R*[2R*,3R*,5(E)]],3α,4β,5α]- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.
Currently available stereo shown.

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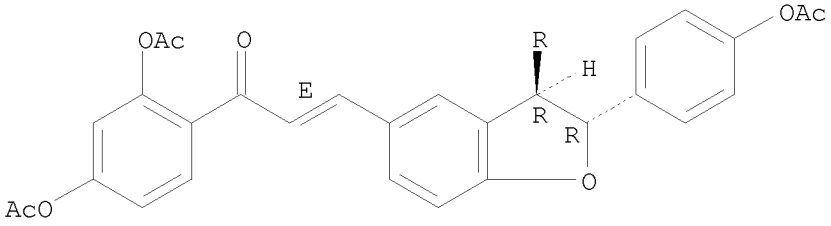
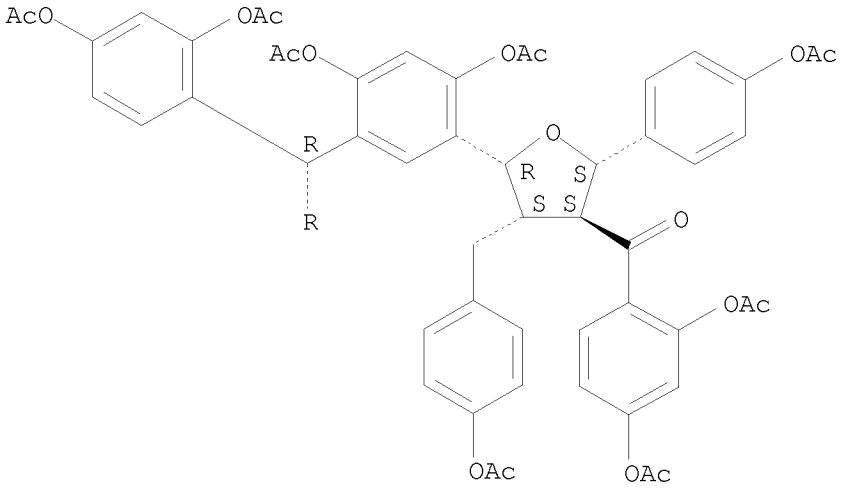
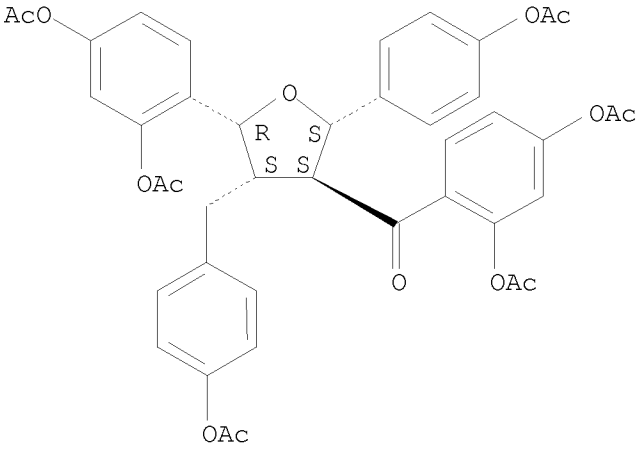




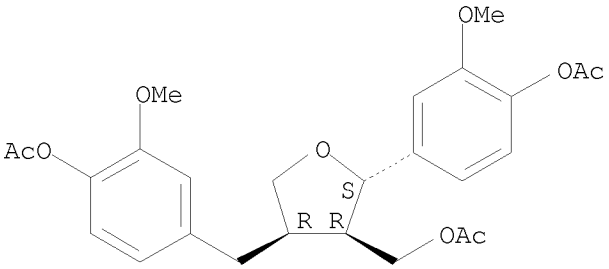
RN 122621-93-6 CAPLUS
CN Methanone, [2-[4-(acetyloxy)phenyl]-4-[[4-(acetyloxy)phenyl]methyl]-5-[2,4-bis(acetyloxy)phenyl]tetrahydro-3-furanyl][2,4-bis(acetyloxy)phenyl]-, (2α,3β,4α,5α)- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Currently available stereo shown.

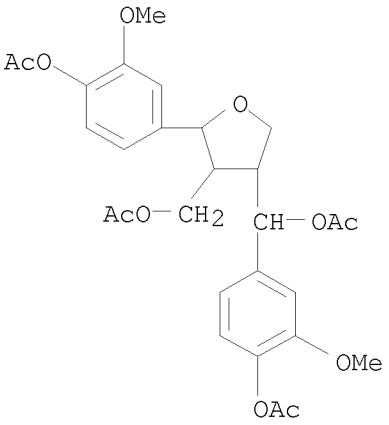


L44 ANSWER 33 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 67560-67-2P 77255-60-8P 119740-40-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 67560-67-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

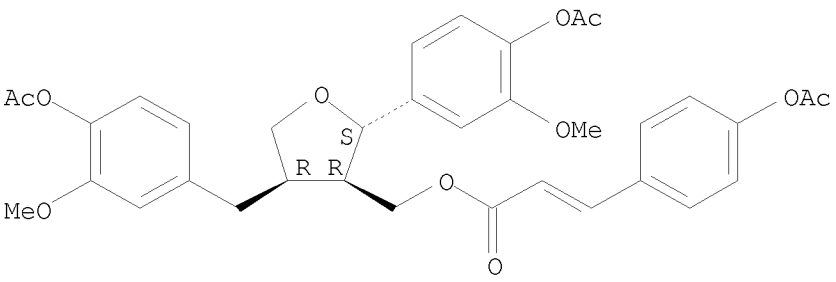


RN 77255-60-8 CAPLUS
CN 3,4-Furandimethanol, α4,2-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate (9CI) (CA INDEX NAME)



RN 119740-40-8 CAPLUS
CN 2-Propenoic acid, 3-[4-(acetyloxy)phenyl]-, [2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-furanyl]methyl ester, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

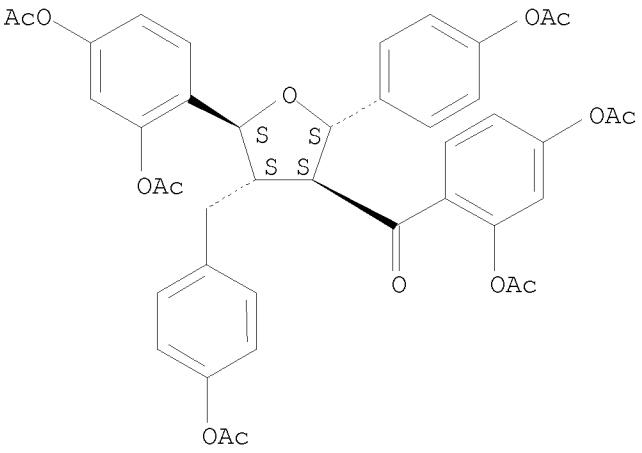
Absolute stereochemistry.
Double bond geometry unknown.



L44 ANSWER 34 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 119264-66-3P, Mbamichalcone hexaacetate
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)
RN 119264-66-3 CAPLUS
CN Methanone, [2-[4-(acetyloxy)phenyl]-4-[[4-(acetyloxy)phenyl]methyl]-5-[2,4-bis(acetyloxy)phenyl]tetrahydro-3-furanyl][2,4-bis(acetyloxy)phenyl]-, (2α,3β,4α,5β)- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Currently available stereo shown.



L44 ANSWER 35 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 117458-40-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 117458-40-9 CAPLUS
CN Methanone, [2,5-bis[4-(acetyloxy)phenyl]tetrahydro-3,4-furandiyl]bis[[2,4-bis(acetyloxy)phenyl]- (9CI) (CA INDEX NAME)

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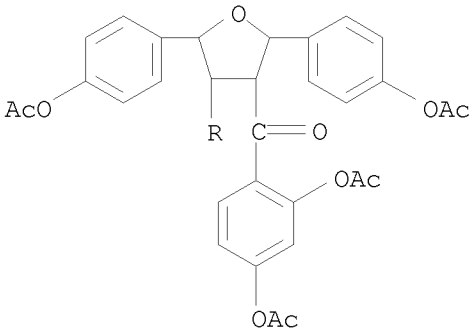
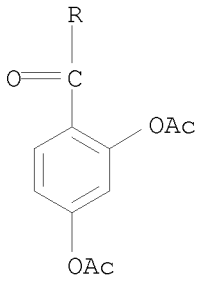
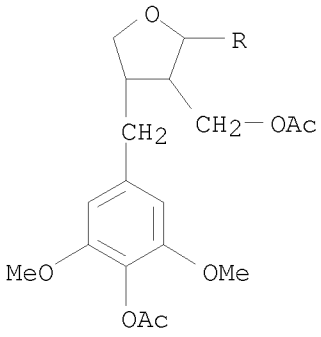
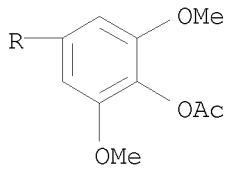


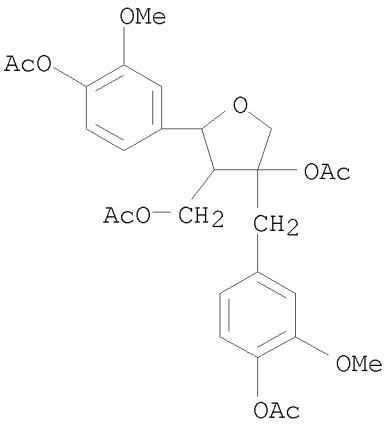


L44 ANSWER 36 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 116384-20-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 116384-20-4 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

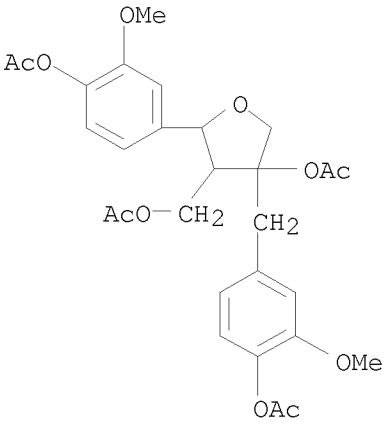




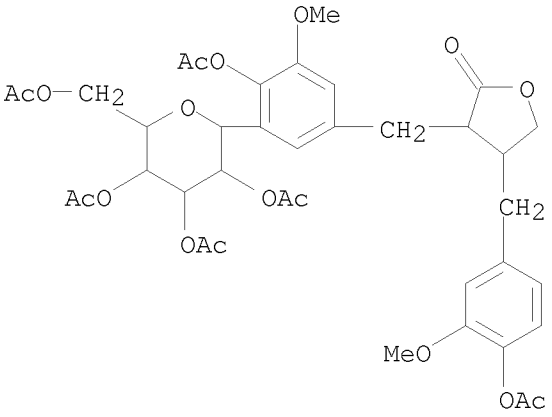
L44 ANSWER 37 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 107783-49-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deacetylation of)
RN 107783-49-3 CAPLUS
CN 3-Furanmethanol, 4-(acetyloxy)-2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4α)]- (9CI) (CA INDEX NAME)



L44 ANSWER 38 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 107783-49-3P, Olivil tetraacetate
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 107783-49-3 CAPLUS
CN 3-Furanmethanol, 4-(acetyloxy)-2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4α)]- (9CI) (CA INDEX NAME)

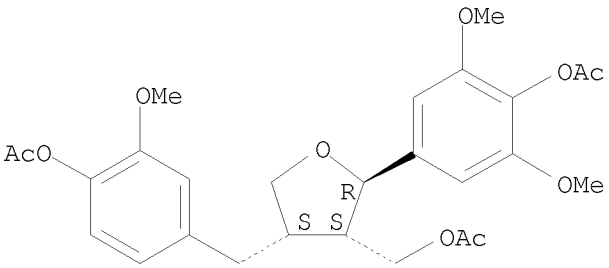


L44 ANSWER 39 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 106647-16-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 106647-16-9 CAPLUS
CN 2(3H)-Furanone, 4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-[[4-(acetyloxy)-3-methoxy-5-(2,3,4,6-tetra-O-acetyl-β-D-glucopyranosyl)phenyl]methyl]dihydro-, (3R-trans)- (9CI) (CA INDEX NAME)

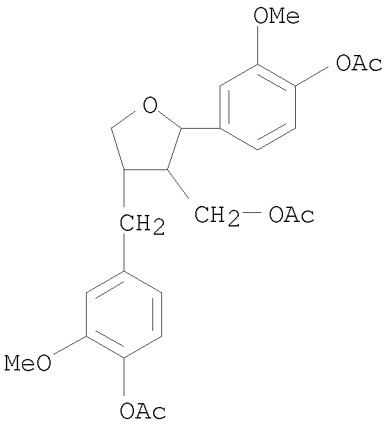


L44 ANSWER 40 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 105233-16-7P 105308-08-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 105233-16-7 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, (2α,3β,4β)-
(9CI) (CA INDEX NAME)

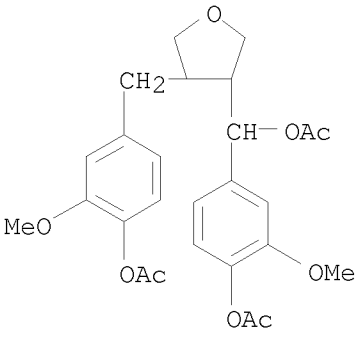
Relative stereochemistry.



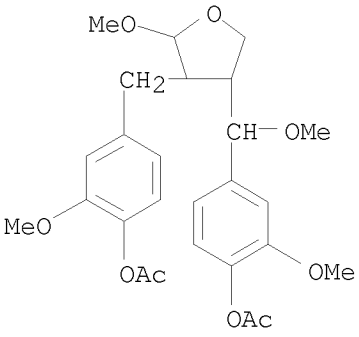
RN 105308-08-5 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, (2α,3β,4β)-
(9CI) (CA INDEX NAME)



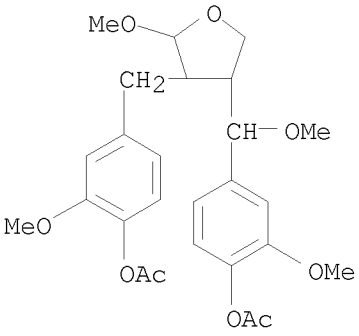
L44 ANSWER 41 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 104086-79-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 104086-79-5 CAPLUS
CN 3-Furanmethanol, α-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate (9CI) (CA INDEX NAME)



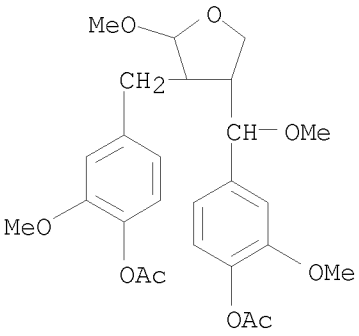
L44 ANSWER 42 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 101218-38-6P 101218-39-7P 101247-19-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 101218-38-6 CAPLUS
CN Phenol, 4-[[4-[[4-(acetyloxy)-3-methoxyphenyl]methoxymethyl]tetrahydro-2-methoxy-3-furanyl]methyl]-2-methoxy-, acetate, [2R-[2α,3β,4α(S*)]]- (9CI) (CA INDEX NAME)



RN 101218-39-7 CAPLUS
CN Phenol, 4-[[4-[[4-(acetyloxy)-3-methoxyphenyl]methoxymethyl]tetrahydro-2-methoxy-3-furanyl]methyl]-2-methoxy-, acetate, [2S-[2α,3α,4β(R*)]]- (9CI) (CA INDEX NAME)



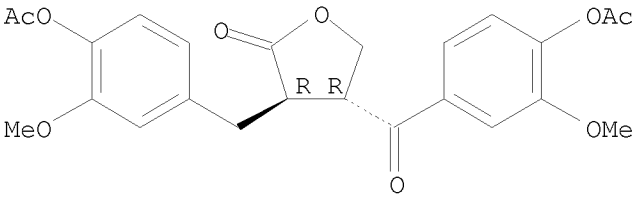
RN 101247-19-2 CAPLUS
CN Phenol, 4-[[4-[[4-(acetyloxy)-3-methoxyphenyl]methoxymethyl]tetrahydro-2-methoxy-3-furanyl]methyl]-2-methoxy-, acetate, [2R-[2α,3β,4α(R*)]]- (9CI) (CA INDEX NAME)



L44 ANSWER 43 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 98770-68-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

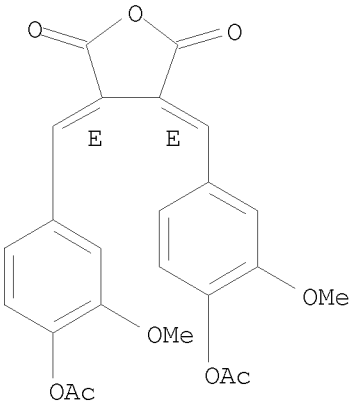
RN 98770-68-4 CAPLUS
CN 2(3H)-Furanone, 4-[4-(acetyloxy)-3-methoxybenzoyl]-3-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



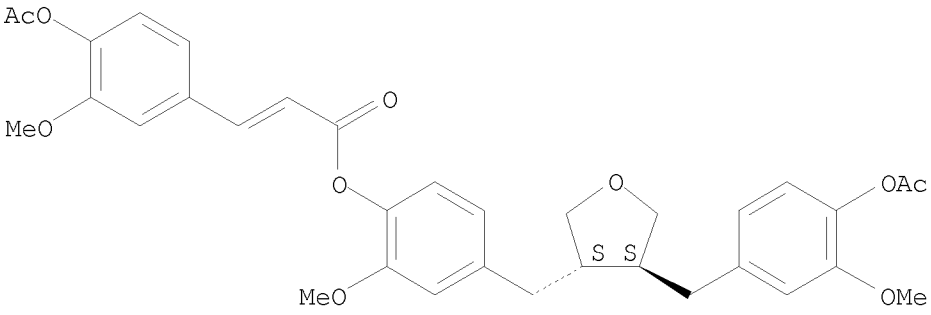
L44 ANSWER 44 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 57934-45-9
RL: PRP (Properties)
(proton NMR of)
RN 57934-45-9 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



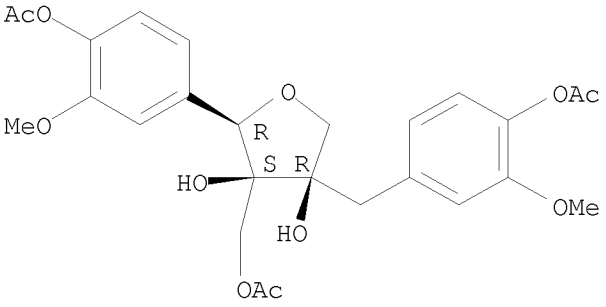
L44 ANSWER 45 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 96917-10-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 96917-10-1 CAPLUS
CN 2-Propenoic acid, 3-[4-(acetyloxy)-3-methoxyphenyl]-, 4-[[4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-furanyl]methyl]-2-methoxyphenyl ester, trans-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.
Double bond geometry unknown.



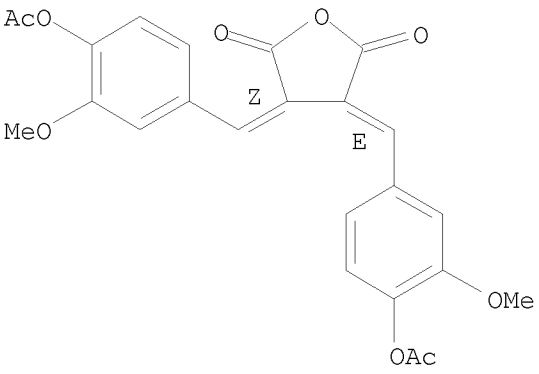
L44 ANSWER 46 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 96087-12-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 96087-12-6 CAPLUS
CN 3,4-Furandiol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-[(acetyloxy)methyl]tetrahydro-, [2R-(2α,3α,4α)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



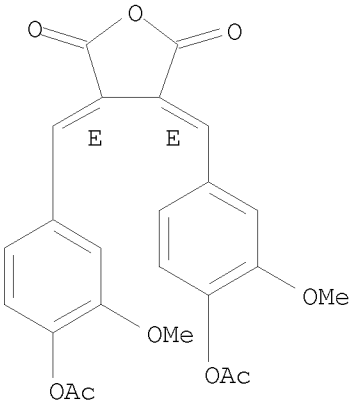
L44 ANSWER 47 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 21497-66-5 57934-45-9
RL: PRP (Properties)
(electronic spectrum of)
RN 21497-66-5 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (E,Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

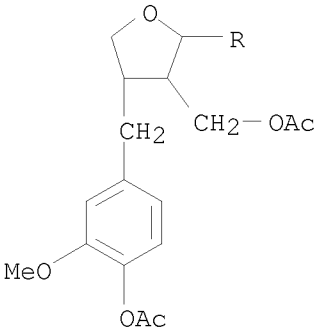


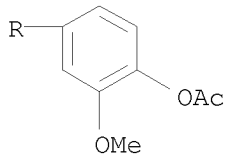
RN 57934-45-9 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

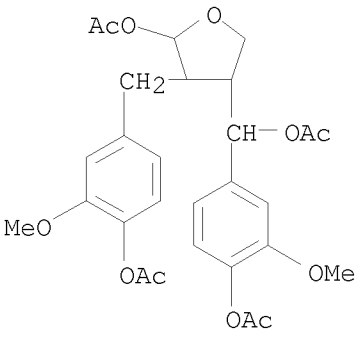


L44 ANSWER 48 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 83327-17-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 83327-17-7 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2R-(2α,3β,4β)]- (9CI) (CA INDEX NAME)



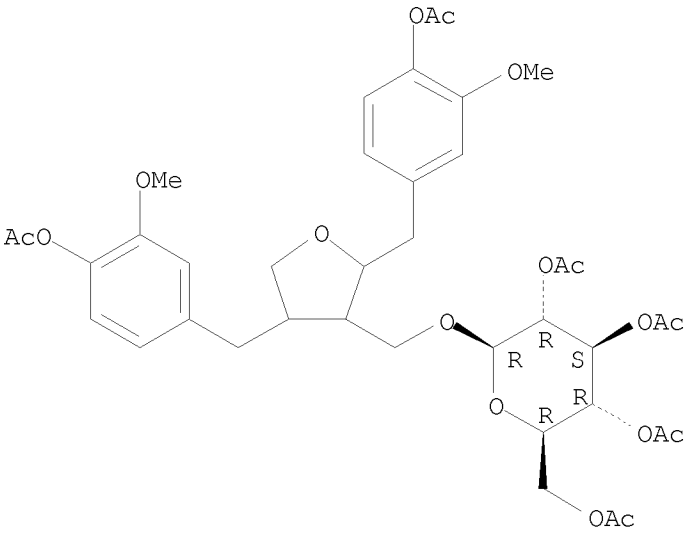


L44 ANSWER 49 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 81262-98-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 81262-98-8 CAPLUS
CN 3-Furanmethanol, 5-(acetyloxy)-α-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate (9CI) (CA INDEX NAME)



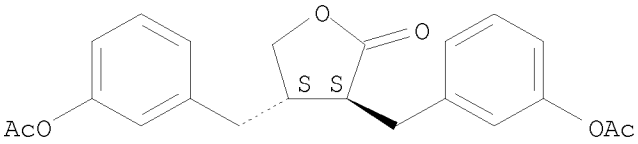
L44 ANSWER 50 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 81613-44-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 81613-44-7 CAPLUS
CN β-D-Glucopyranoside, [2,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-furanyl]methyl, tetraacetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.

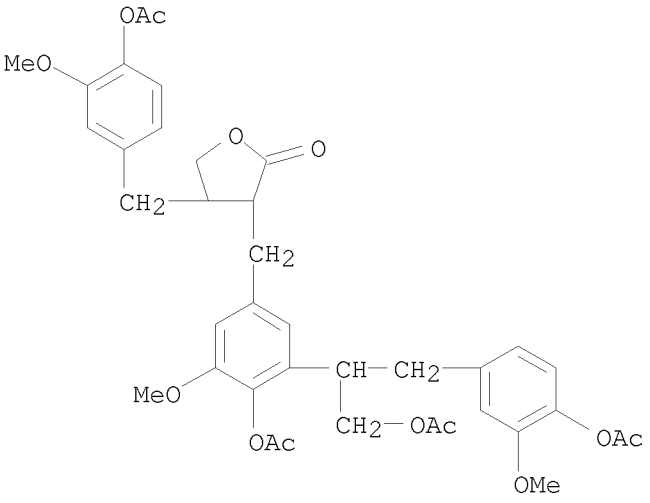


L44 ANSWER 51 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 78032-16-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 78032-16-3 CAPLUS
CN 2(3H)-Furanone, 3,4-bis[[3-(acetyloxy)phenyl]methyl]dihydro-, trans- (9CI)
(CA INDEX NAME)

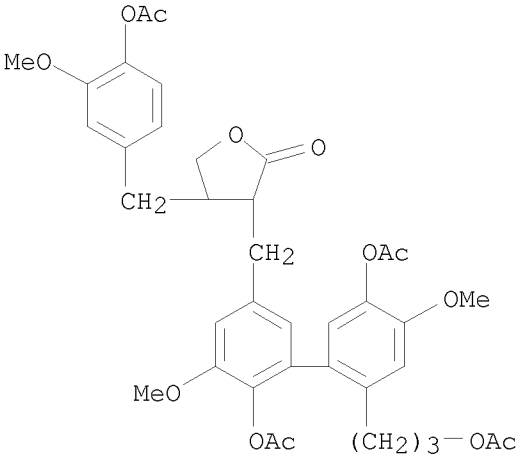
Relative stereochemistry.



L44 ANSWER 52 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 79863-74-4 79863-75-5
RL: BIOL (Biological study)
(in compression wood of larch)
RN 79863-74-4 CAPLUS
CN 2(3H)-Furanone, 3-[[4-(acetyloxy)-3-[2-(acetyloxy)-1-[[4-(acetyloxy)-3-methoxyphenyl]methyl]ethyl]-5-methoxyphenyl]methyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro- (CA INDEX NAME)

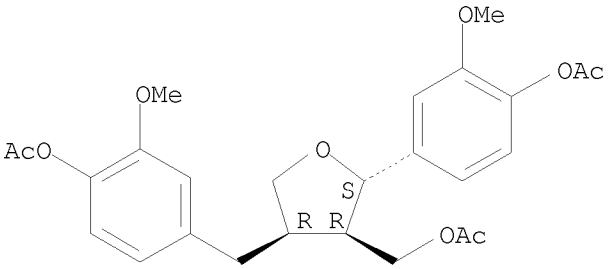


RN 79863-75-5 CAPLUS
CN 2(3H)-Furanone, 4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-[[2',6-bis(acetyloxy)-5'-[3-(acetyloxy)propyl]-3',5-dimethoxy[1,1'-biphenyl]-3-yl]methyl]dihydro- (9CI) (CA INDEX NAME)

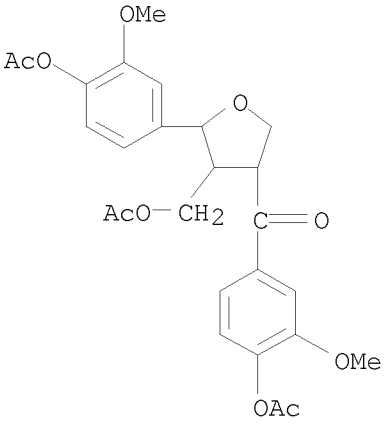


L44 ANSWER 53 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 67560-67-2P 77225-34-4P 77255-60-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 67560-67-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

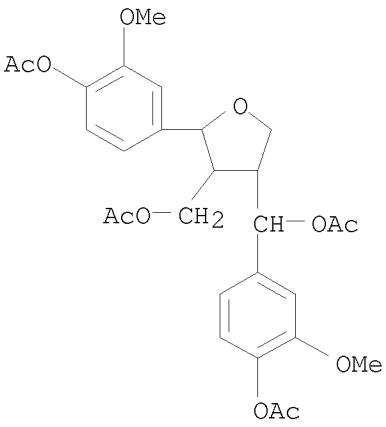
Absolute stereochemistry.



RN 77225-34-4 CAPLUS
CN Methanone, [4-(acetyloxy)-3-methoxyphenyl][5-[4-(acetyloxy)-3-methoxyphenyl]-4-[(acetyloxy)methyl]tetrahydro-3-furanyl]- (CA INDEX NAME)

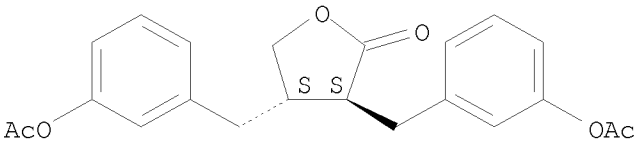


RN 77255-60-8 CAPLUS
CN 3,4-Furandimethanol, α4,2-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate (9CI) (CA INDEX NAME)



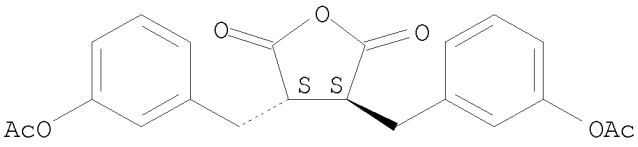
IT 78032-16-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrolysis of)
RN 78032-16-3 CAPLUS
CN 2(3H)-Furanone, 3,4-bis[[3-(acetyloxy)phenyl]methyl]dihydro-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

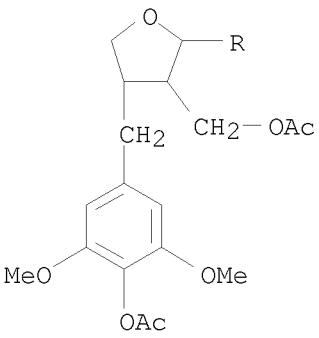


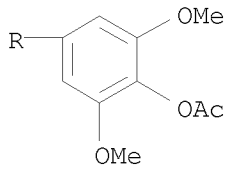
IT 78032-15-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)
RN 78032-15-2 CAPLUS
CN 2,5-Furandione, 3,4-bis[[3-(acetyloxy)phenyl]methyl]dihydro-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



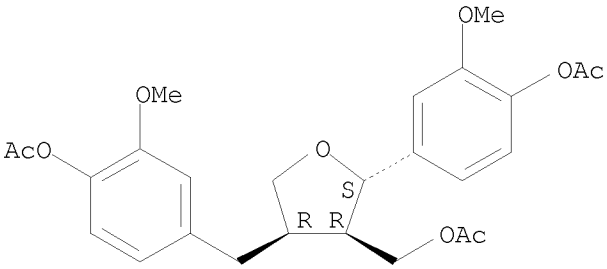
L44 ANSWER 55 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 75679-27-5
RL: PRP (Properties)
(NMR spectrum of)
RN 75679-27-5 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]tetrahydro-, acetate (9CI) (CA INDEX NAME)





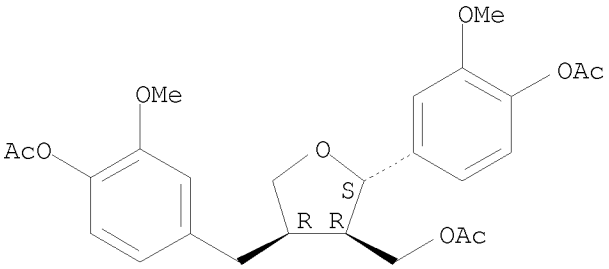
L44 ANSWER 56 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 67560-67-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 67560-67-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

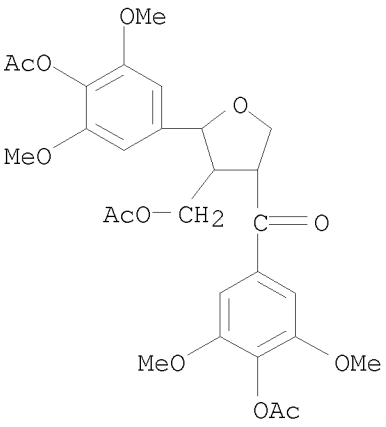


L44 ANSWER 57 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 67560-67-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 67560-67-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

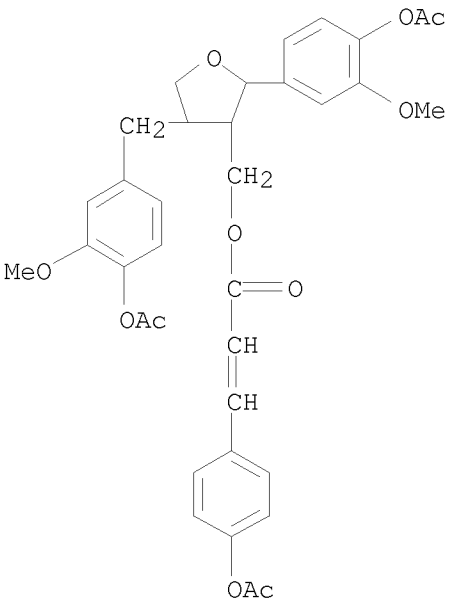
Absolute stereochemistry.



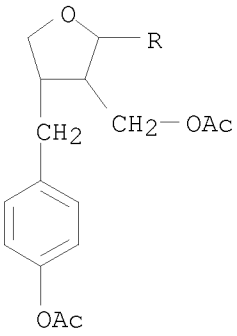
L44 ANSWER 58 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 55665-05-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 55665-05-9 CAPLUS
CN Methanone, [4-(acetyloxy)-3,5-dimethoxyphenyl][5-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[(acetyloxy)methyl]tetrahydro-3-furanyl]- (CA INDEX NAME)

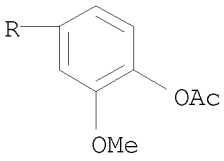


L44 ANSWER 59 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 72448-84-1P 72448-85-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 72448-84-1 CAPLUS
CN 2-Propenoic acid, 3-[4-(acetyloxy)phenyl]-, [2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-furanyl]methyl ester (CA INDEX NAME)



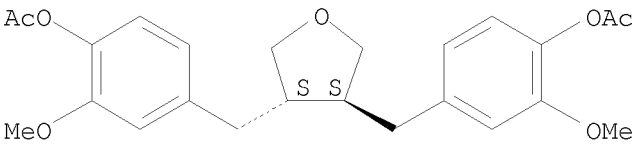
RN 72448-85-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)phenyl]methyl]tetrahydro-, acetate (9CI) (CA INDEX NAME)





L44 ANSWER 60 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 72092-51-4
RL: PRP (Properties)
(NMR spectrum of, as model for lignin)
RN 72092-51-4 CAPLUS
CN Phenol, 4,4'-[(tetrahydro-3,4-furandiyl)bis(methylene)]bis[2-methoxy-, diacetate, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L44 ANSWER 61 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 69394-07-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 69394-07-6 CAPLUS
CN 2(3H)-Furanone, 3,4-bis[[4-(acetyloxy)-3-[2-(acetyloxy)-2-[4-(acetyloxy)-3-methoxyphenyl]-1-[(acetyloxy)methyl]ethyl]-5-methoxyphenyl]methyl]dihydro- (9CI) (CA INDEX NAME)

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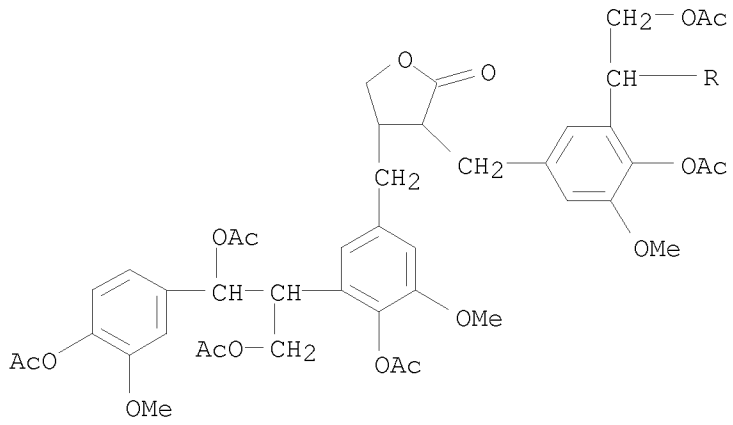

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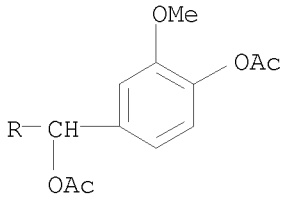
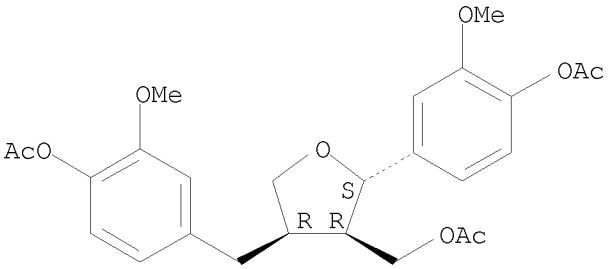
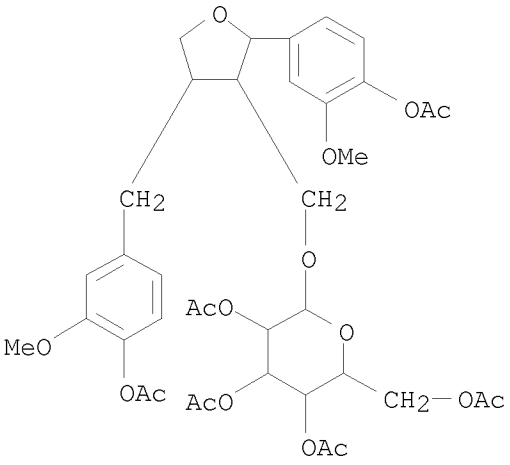


L44 ANSWER 62 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 67560-67-2P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and carbon-13 NMR of)
RN 67560-67-2 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-, acetate, [2S-(2α,3β,4β)]- (9CI) (CA INDEX NAME)

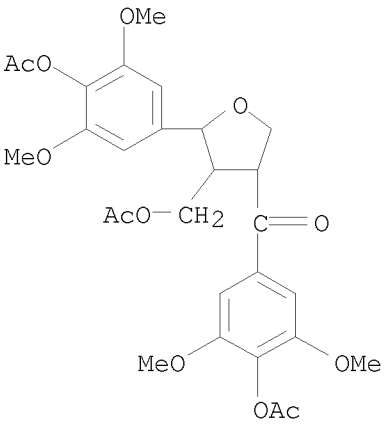
Absolute stereochemistry.



L44 ANSWER 63 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 67308-37-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 67308-37-6 CAPLUS
CN β-D-Glucopyranoside, [2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-3-furanyl]methyl, tetraacetate, (2α,3β,4β)-(-)- (9CI) (CA INDEX NAME)

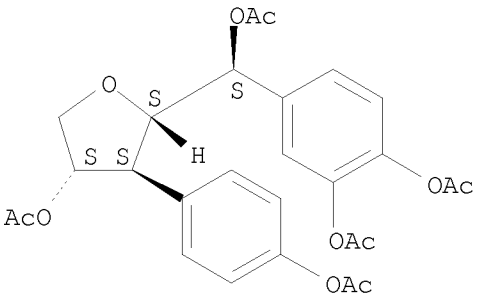


L44 ANSWER 64 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 55665-05-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 55665-05-9 CAPLUS
CN Methanone, [4-(acetyloxy)-3,5-dimethoxyphenyl][5-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[(acetyloxy)methyl]tetrahydro-3-furanyl]- (CA INDEX NAME)



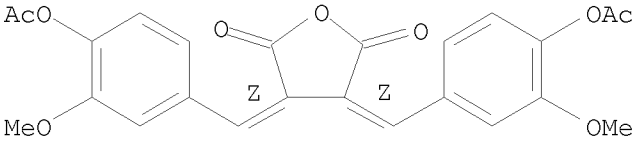
L44 ANSWER 65 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 65560-00-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 65560-00-1 CAPLUS
CN 1,2-Benzenediol, 4-[(acetyloxy)[4-(acetyloxy)-3-[4-(acetyloxy)phenyl]tetrahydro-2-furanyl]methyl]-, diacetate, [2S-[2α(R*),3β,4α]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



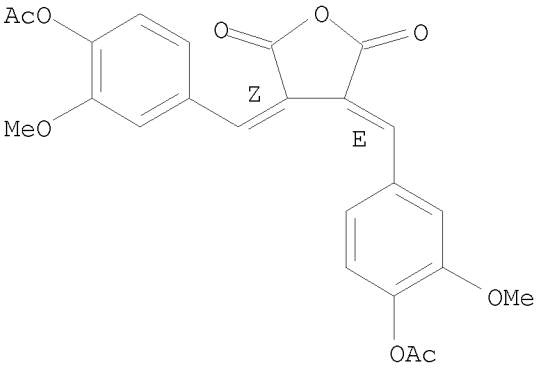
L44 ANSWER 66 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 21497-65-4 21497-66-5
RL: PRP (Properties)
(UV spectrum of)
RN 21497-65-4 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (Z,Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



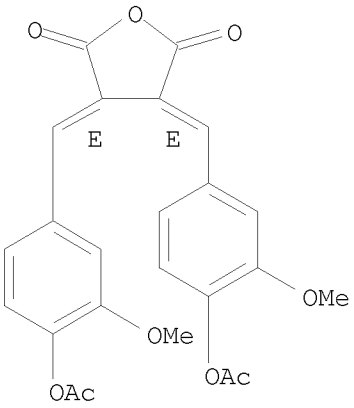
RN 21497-66-5 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (E,Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

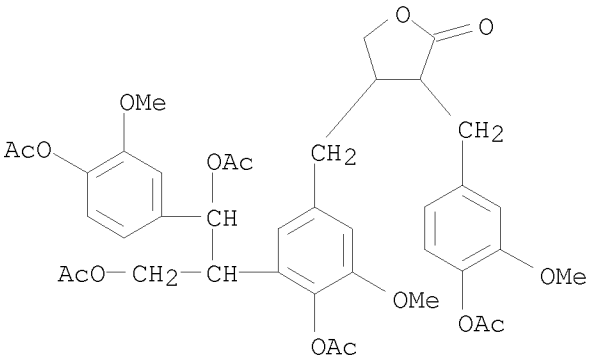


IT 57934-45-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(photochem. rearrangement of)
RN 57934-45-9 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (E,E)- (9CI) (CA INDEX NAME)

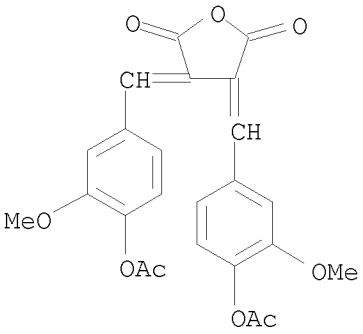
Double bond geometry as shown.



L44 ANSWER 67 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 64855-03-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 64855-03-4 CAPLUS
CN 2(3H)-Furanone, 4-[[4-(acetyloxy)-3-[2-(acetyloxy)-1-[(acetyloxy)[4-(acetyloxy)-3-methoxyphenyl]methyl]ethyl]-5-methoxyphenyl]methyl]-3-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro- (9CI) (CA INDEX NAME)

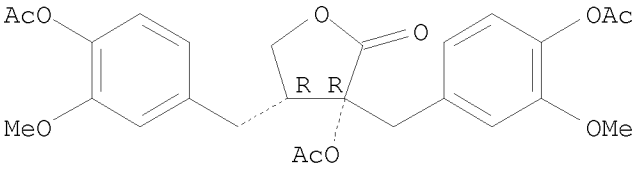


L44 ANSWER 68 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 63339-52-6
RL: PROC (Process)
(photochromism of, reaction mechanism of)
RN 63339-52-6 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-
(CA INDEX NAME)



L44 ANSWER 69 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 61504-11-8P 61504-12-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 61504-11-8 CAPLUS
CN 2(3H)-Furanone, 3-(acetyloxy)-3,4-bis[[4-(acetyloxy)-3-
methoxyphenyl]methyl]dihydro-, (3R-cis)- (9CI) (CA INDEX NAME)

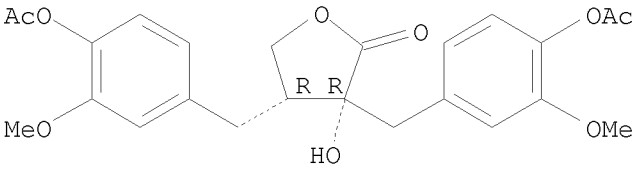
Absolute stereochemistry.



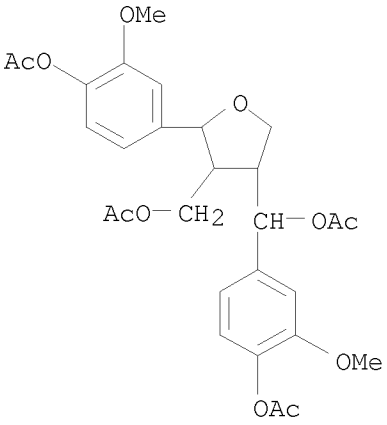
RN 61504-12-9 CAPLUS

CN 2(3H)-Furanone, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-3-hydroxy-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

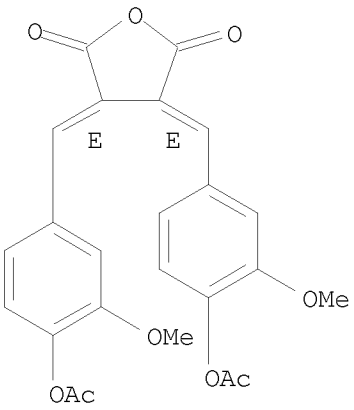


L44 ANSWER 70 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 77255-60-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 77255-60-8 CAPLUS
CN 3,4-Furandimethanol, α4,2-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate (9CI) (CA INDEX NAME)



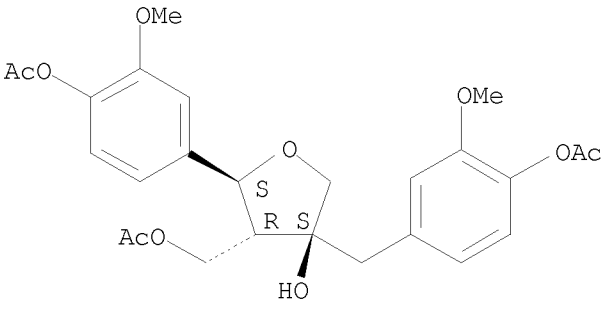
L44 ANSWER 71 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 57934-45-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(photolysis of, mechanism of)
RN 57934-45-9 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

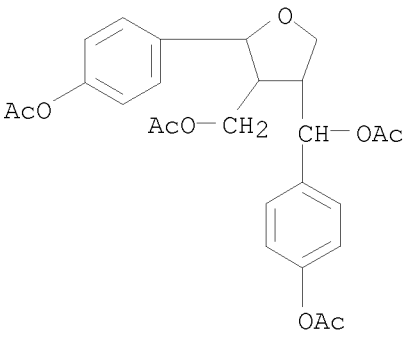


L44 ANSWER 72 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 56440-75-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 56440-75-6 CAPLUS
CN 3-Furanmethanol, 2-[4-(acetyloxy)-3-methoxyphenyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]tetrahydro-4-hydroxy-, α-acetate, (2S,3R,4S)-(9CI) (CA INDEX NAME)

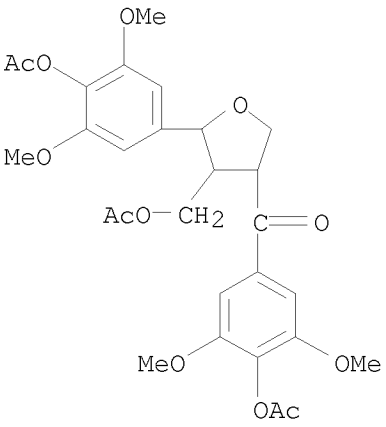
Absolute stereochemistry. Rotation (-).



L44 ANSWER 73 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 57024-20-1
RL: PRP (Properties)
(NMR of)
RN 57024-20-1 CAPLUS
CN 3,4-Furandimethanol, α4,2-bis[4-(acetyloxy)phenyl]tetrahydro-, diacetate (9CI) (CA INDEX NAME)

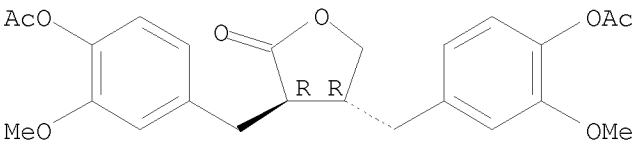


L44 ANSWER 74 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 55665-05-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 55665-05-9 CAPLUS
CN Methanone, [4-(acetyloxy)-3,5-dimethoxyphenyl][5-[4-(acetyloxy)-3,5-dimethoxyphenyl]-4-[(acetyloxy)methyl]tetrahydro-3-furanyl]- (CA INDEX NAME)

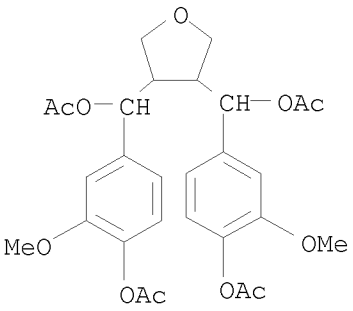


L44 ANSWER 75 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 54797-70-5 54797-72-7 54849-03-5
RL: PRP (Properties)
(ir spectra of)
RN 54797-70-5 CAPLUS
CN 2(3H)-Furanone, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3R,4R)- (CA INDEX NAME)

Absolute stereochemistry.

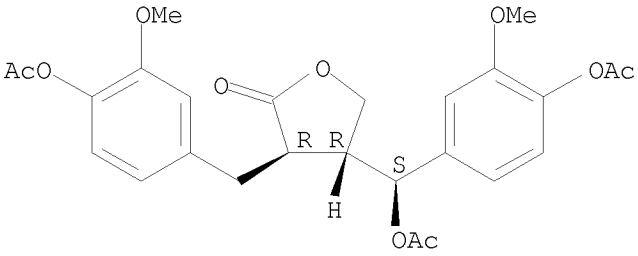


RN 54797-72-7 CAPLUS
CN 3,4-Furandimethanol, α,α'-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate (9CI) (CA INDEX NAME)

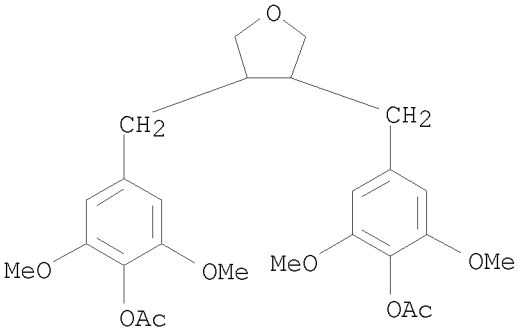


RN 54849-03-5 CAPLUS
CN 2(3H)-Furanone, 4-[(acetyloxy)[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, [3S-[3α,4β(R*)]]-(9CI) (CA INDEX NAME)

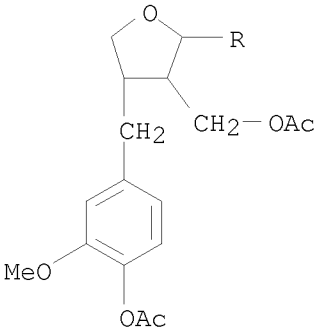
Absolute stereochemistry.

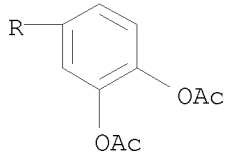


L44 ANSWER 76 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 34000-77-6
RL: PRP (Properties)
(carbon-13 NMR of)
RN 34000-77-6 CAPLUS
CN Phenol, 4,4'-[(tetrahydro-3,4-furandiyl)bis(methylene)]bis[2,6-dimethoxy-, diacetate (9CI) (CA INDEX NAME)

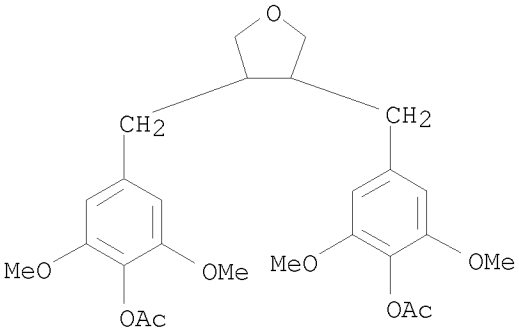


L44 ANSWER 77 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 40516-25-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 40516-25-4 CAPLUS
CN 1,2-Benzenediol, 4-[4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-[(acetyloxy)methyl]tetrahydro-2-furanyl]-, diacetate (9CI) (CA INDEX NAME)



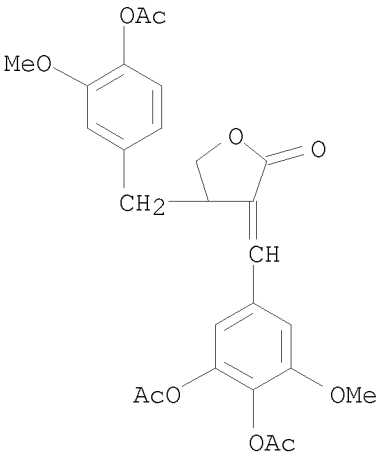


L44 ANSWER 78 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 34000-77-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 34000-77-6 CAPLUS
CN Phenol, 4,4'-[(tetrahydro-3,4-furandiyl)bis(methylene)]bis[2,6-dimethoxy-, diacetate (9CI) (CA INDEX NAME)



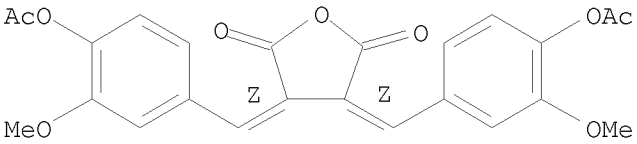
L44 ANSWER 79 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN

IT 30031-99-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 30031-99-3 CAPLUS
CN 2(3H)-Furanone, 3-(3,4-dihydroxy-5-methoxybenzylidene)dihydro-4-vanillyl-, triacetate (8CI) (CA INDEX NAME)



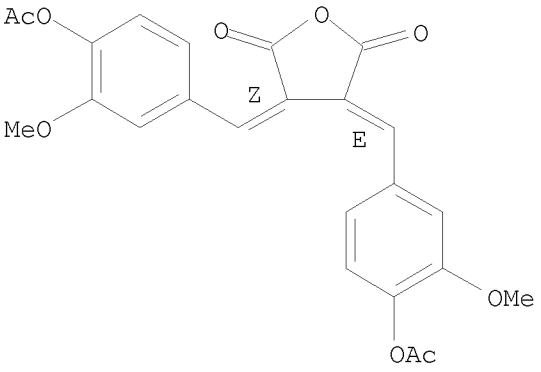
L44 ANSWER 80 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 21497-65-4
RL: PRP (Properties)
(rearrangement (photochem.) of)
RN 21497-65-4 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (Z,Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



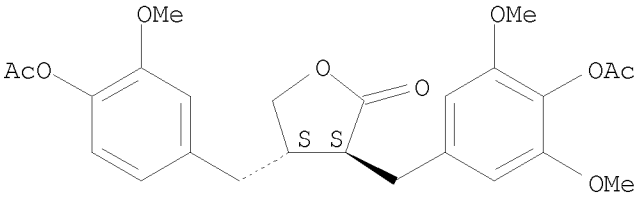
IT 21497-66-5
RL: PRP (Properties)
(spectrum (ir and uv) of)
RN 21497-66-5 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-, (E,Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



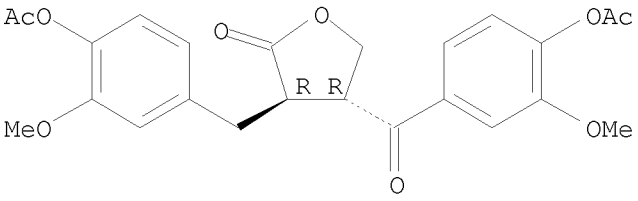
L44 ANSWER 81 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 6512-68-1P, Thujaplicatin, O-methyl-, diacetate, trans-
RL: PREP (Preparation)
(preparation of)
RN 6512-68-1 CAPLUS
CN 2(3H)-Furanone, 3-[[4-(acetyloxy)-3,5-dimethoxyphenyl]methyl]-4-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Currently available stereo shown.



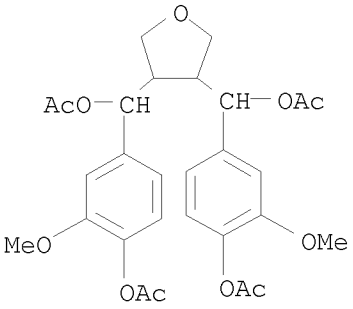
L44 ANSWER 82 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 98770-68-4
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 98770-68-4 CAPLUS
CN 2(3H)-Furanone, 4-[4-(acetyloxy)-3-methoxybenzoyl]-3-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

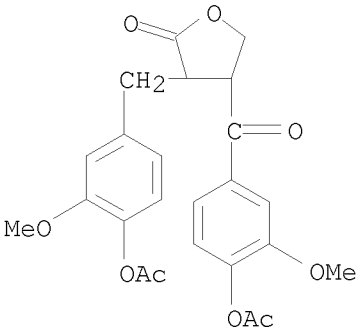


IT 54797-72-7, 3,4-Furandimethanol, tetrahydro-α,α'-bis(4-hydroxy-3-methoxyphenyl)-, tetraacetate 909256-63-9, Hydrocinnamic acid, 4-hydroxy-α-[4-hydroxy-α-(hydroxymethyl)-3-methoxyphenacyl]-3-methoxy-, (+)-, diacetate

(from fir wood)
RN 54797-72-7 CAPLUS
CN 3,4-Furandimethanol, α,α'-bis[4-(acetyloxy)-3-methoxyphenyl]tetrahydro-, diacetate (9CI) (CA INDEX NAME)

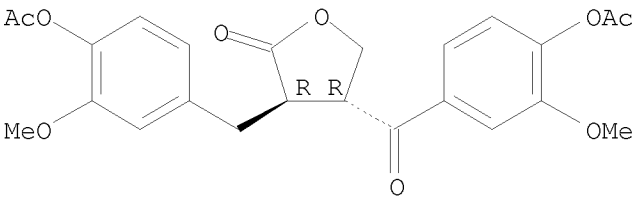


RN 909256-63-9 CAPLUS
CN 2(3H)-Furanone, 4-[4-(acetyloxy)-3-methoxybenzoyl]-3-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro- (CA INDEX NAME)



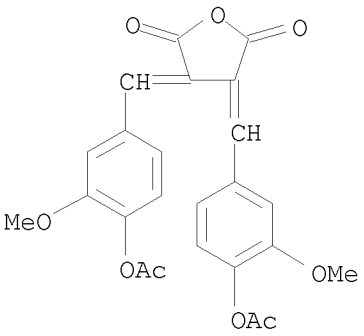
L44 ANSWER 83 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 98770-68-4
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 98770-68-4 CAPLUS
CN 2(3H)-Furanone, 4-[4-(acetyloxy)-3-methoxybenzoyl]-3-[[4-(acetyloxy)-3-methoxyphenyl]methyl]dihydro-, (3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

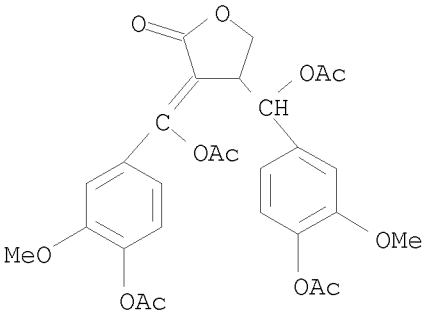


L44 ANSWER 84 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 63339-52-6P, Fulgide, 6,7-bis(4-hydroxy-3-methoxyphenyl)-,

diacetate
RL: PREP (Preparation)
(preparation of)
RN 63339-52-6 CAPLUS
CN 2,5-Furandione, 3,4-bis[[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro-
(CA INDEX NAME)



L44 ANSWER 85 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 860255-29-4P, Hydroferulic acid, α-[β,4-dihydroxy-
α-(hydroxymethyl)-3-methoxyphenethyl]-β-hydroxy-,
γ-lactone, tetraacetate
RL: PREP (Preparation)
(preparation of)
RN 860255-29-4 CAPLUS
CN 2(3H)-Furanone, 4-[(acetyloxy)[4-(acetyloxy)-3-methoxyphenyl]methyl]-3-
[(acetyloxy)[4-(acetyloxy)-3-methoxyphenyl]methylene]dihydro- (CA INDEX
NAME)



L44 ANSWER 86 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
IT 910882-90-5P, Matairesinol, bis(p-nitrobenzoate)
RL: PREP (Preparation)
(preparation of)
RN 910882-90-5 CAPLUS
CN 2(3H)-Furanone, dihydro-3,4-bis[[3-methoxy-4-[(4-
nitrobenzoyl)oxy]phenyl]methyl]-, (3R,4R)- (CA INDEX NAME)

Absolute stereochemistry.

10521761

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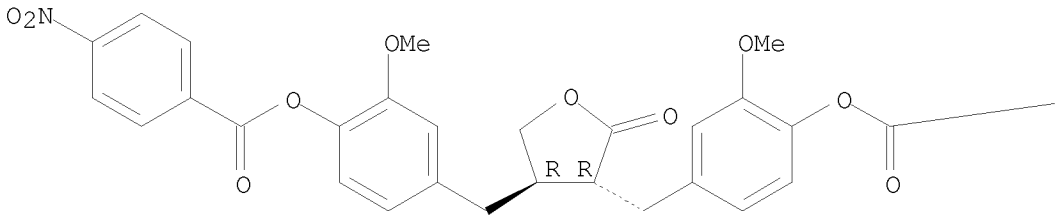
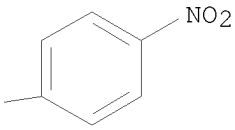


PAGE 1-B



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	218.92	897.42

FILE 'STNGUIDE' ENTERED AT 15:24:54 ON 12 JUN 2008
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 6, 2008 (20080606/UP).

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.54	897.96

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FILE COVERS 1907 - 12 Jun 2008 VOL 148 ISS 24
FILE LAST UPDATED: 11 Jun 2008 (20080611/ED)

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=> d his

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L1             1 US20050249857/PN

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

     FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
L3            16 SEA L2
L4            10 L3 AND >=2 46.150.18/RID
L5             1 L3 AND OC4-C6-C6/ES
L6             1 L3 AND C6-C6/ES
L7               STR
L8            29 L7
L9               SCR 1839
L10           29 L7 AND L9
L11              STR L7
L12       336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13           50 L11 SAM SUB=L12
L14              STR L11
L15           32 L14 SAM SUB=L12
                 E FURAN/CN
L16            1 E3
                 E THF/CN
L17            1 E3
L18       130953 L12 AND 16.138.1/RID
L19           49 L14 SAM SUB=L18
L20              STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21              STR L20
L22              SCR 1707 OR 1708
L23              SCR 1840
L24            2 L22 AND L23 AND L21
L25           36 L22 AND L23 AND L21 SAM SUB=L18
L26              STR L21
L27            4 L26 AND L22 AND L23 SAM SUB=L18
L28           94 L26 AND L22 AND L23 FULL SUB=L18
                 SAV TEM G761C1/A L28
L29              STR L7
L30            2 L29
L31              STR L29
L32            0 L31
L33              SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34            0 L31 AND L33
L35           33 L31 AND L33 FULL
                 SAV TEM G761C1N/A L35
L36            0 L28,L35 AND L3
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10521761

FILE 'STNGUIDE' ENTERED AT 15:14:39 ON 12 JUN 2008

FILE 'REGISTRY' ENTERED AT 15:15:43 ON 12 JUN 2008
L37 STR
L38 46 L37
L39 694251 46.150.18/RID AND (C5-C6-C6 OR C6-C6)/ES
L40 50 L37 SAM SUB=L39
L41 STR L37
L42 50 L41 SAM SUB=L39
L43 7953 L41 FULL SUB=L39
SAV TEM G761C1N2/A L43

FILE 'CAPLUS' ENTERED AT 15:24:14 ON 12 JUN 2008
L44 86 S L28

FILE 'STNGUIDE' ENTERED AT 15:24:54 ON 12 JUN 2008

FILE 'CAPLUS' ENTERED AT 15:30:02 ON 12 JUN 2008

=> d l44 60

L44 ANSWER 60 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1980:8015 CAPLUS
DN 92:8015
OREF 92:1465a,1468a
TI NMR studies of lignins. 3. Proton NMR spectroscopic data for lignin model compounds
AU Lundquist, Knut
CS Dep. Org. Chem., Chalmers Univ. Technol., Goeteborg, S-412 96, Swed.
SO Acta Chemica Scandinavica, Series B: Organic Chemistry and Biochemistry (1979), B33(6), 418-20
CODEN: ACBOCV; ISSN: 0302-4369
DT Journal
LA English

=> d bib abs hitstr 60

L44 ANSWER 60 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1980:8015 CAPLUS
DN 92:8015
OREF 92:1465a,1468a
TI NMR studies of lignins. 3. Proton NMR spectroscopic data for lignin model compounds
AU Lundquist, Knut
CS Dep. Org. Chem., Chalmers Univ. Technol., Goeteborg, S-412 96, Swed.
SO Acta Chemica Scandinavica, Series B: Organic Chemistry and Biochemistry (1979), B33(6), 418-20
CODEN: ACBOCV; ISSN: 0302-4369
DT Journal
LA English
AB The 1H NMR spectra of a number of lignin (I) [9005-53-2] model compds. showed that the α-H signal is shifted by 0.03-0.06 δ units upfield when an adjacent 4-acetoxy-3-methoxyphenyl group in the model compound is replaced by a 3,4-dimethoxyphenyl (II) group (representative of 4-alkoxy-3-methoxyphenyl groups in I). The α-H in 4-acetoxy-3-methoxybenzyl acetate [17574-14-0] and 6,6'-dihydroxy-5,5'-dimethoxy-[1,1'-biphenyl]-3,3'-dimethanol tetraacetate [72092-47-8] exhibited about the same δ value, indicating that the introduction

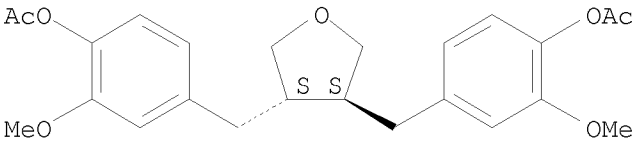
of a biphenyl linkage does not change the position of the α-H signal to any great extent. erythro And threo forms of model compds. differed moderately in their 1H NMR properties.

IT 72092-51-4
RL: PRP (Properties)
(NMR spectrum of, as model for lignin)

RN 72092-51-4 CAPLUS

CN Phenol, 4,4'-[(tetrahydro-3,4-furandiyl)bis(methylene)]bis[2-methoxy-, diacetate, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.62	905.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-0.80

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 6, 2008 (20080606/UP).

=> d bib abs hitstr 2
YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS' - CONTINUE? (Y)/N:y

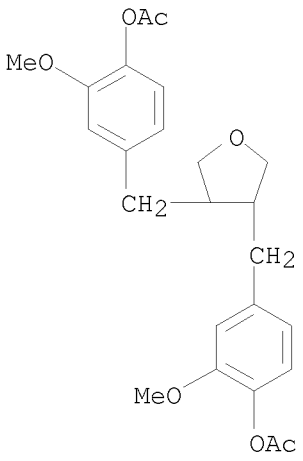
L44 ANSWER 2 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2007:17912 CAPLUS
DN 147:318338
TI Structure of lignins in developing xylem of Norway spruce
AU Christiernin, M.
CS Department of Fiber and Polymer Technology, Royal Institute of Technology, KTH, Stockholm, 100 44, Swed.
SO Plant Physiology and Biochemistry (Amsterdam, Netherlands) (2006), 44(11-12), 693-699
CODEN: PPBIEX; ISSN: 0981-9428
PB Elsevier B.V.
DT Journal
LA English
AB The developing xylem in a Norway spruce (Picea abies) clone was investigated during a growth season and compared to lignin from sapwood of the same tree clone. Klason and acid-soluble lignin contents were determined as

well as the carbohydrate monomer distribution and protein content. By analyzing lignin thioacidolysis products, it was shown that only guaiacyl units could be detected in the materials, and the relative amount of β-O-4' bonds was assessed. Monomeric and selected dimeric lignin products were identified by mass spectrometry. The specimens were embedded and thin sections examined by microscopy to determine the state of cell differentiation in the samples. In the spring and early summer, growth was very rapid and the intention was to collect tissue in which exclusively the middle lamella/primary cell wall had begun to lignify. Combining data regarding Klason lignin, protein content and carbohydrate monomer distribution with microscopy, it was found that the developing xylem sample from mid-June contained lignin from exclusively middle lamella/primary wall. The Klason lignin content in the developing xylem during the growth season was 20%, 5% and 10% in Apr., June and August, resp. Thioacidolysis showed that the lignin had more condensed structures than lignin from the reference Norway spruce clone wood. Mass spectrometry showed that the developing xylem specimens from June and August contained more lignin structures with end-groups than the reference sample. These results suggest that lignification in the cambial layer and early developing xylem may take place more in a bulk fashion during the summer.

IT 947685-66-7
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(content of lignin; structure of lignins in developing xylem of Norway spruce (Picea abies))

RN 947685-66-7 CAPLUS

CN Phenol, 4,4'-[(tetrahydro-3,4-furandiyl)bis(methylene)]bis[2-methoxy-, 1,1'-diacetate (CA INDEX NAME)



RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

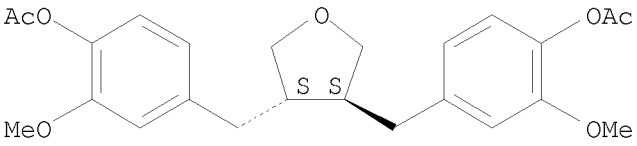
=> d bib abs hitstr 7
YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS' - CONTINUE? (Y)/N:y

L44 ANSWER 7 OF 86 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1998:68927 CAPLUS

10521761

DN 128:153961
TI Interaction of lignans with human sex hormone-binding globulin (SHBG)
AU Schoettner, Matthias; Gansser, Dietmar; Spiteller, Gerhard
CS Universitaet Bayreuth, Bayreuth, D-95440, Germany
SO Zeitschrift fuer Naturforschung, C: Biosciences (1997), 52(11/12), 834-843
CODEN: ZNCBDA; ISSN: 0341-0382
PB Verlag der Zeitschrift fuer Naturforschung
DT Journal
LA English
AB In a double Stobbe condensation without use of protecting groups a wide variety of lignans with different substitution pattern in the aromatic and aliphatic part of the mol. was synthesized. These lignans were tested in a sex hormone-binding globulin binding assay which allowed to deduce the following relationship between structure and activity: (±)-diastereomers are more active than meso compds., the 4-hydroxy 3-methoxy (guajacyl) substitution pattern in the aromatic part is most effective, and the activity increases with the decline in polarity of the aliphatic part of the mol.
IT 72092-51-4
RL: BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process)
(preparation of lignans and interaction with sex hormone-binding globulin)
RN 72092-51-4 CAPLUS
CN Phenol, 4,4'-[(tetrahydro-3,4-furandiyl)bis(methylene)]bis[2-methoxy-, diacetate, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



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SET AUTOSEARCH ON
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FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008

FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
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FILE 'REGISTRY' ENTERED AT 14:29:29 ON 12 JUN 2008
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L4 10 L3 AND >=2 46.150.18/RID
L5 1 L3 AND OC4-C6-C6/ES
L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9
L11 STR L7

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L12      336455 >=2 46.150.18/RID AND (OC4 OR OC4-OC4)/ES
L13          50 L11 SAM SUB=L12
L14             STR L11
L15          32 L14 SAM SUB=L12
                E FURAN/CN
L16           1 E3
                E THF/CN
L17           1 E3
L18      130953 L12 AND 16.138.1/RID
L19          49 L14 SAM SUB=L18
L20             STR L14

     FILE 'STNGUIDE' ENTERED AT 14:55:22 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 14:58:52 ON 12 JUN 2008
L21             STR L20
L22             SCR 1707 OR 1708
L23             SCR 1840
L24           2 L22 AND L23 AND L21
L25          36 L22 AND L23 AND L21 SAM SUB=L18
L26             STR L21
L27           4 L26 AND L22 AND L23 SAM SUB=L18
L28          94 L26 AND L22 AND L23 FULL SUB=L18
                SAV TEM G761C1/A L28
L29             STR L7
L30           2 L29
L31             STR L29
L32           0 L31
L33             SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
L34           0 L31 AND L33
L35          33 L31 AND L33 FULL
                SAV TEM G761C1N/A L35
L36           0 L28,L35 AND L3

     FILE 'STNGUIDE' ENTERED AT 15:14:39 ON 12 JUN 2008

     FILE 'REGISTRY' ENTERED AT 15:15:43 ON 12 JUN 2008
L37             STR
L38          46 L37
L39      694251 46.150.18/RID AND (C5-C6-C6 OR C6-C6)/ES
L40          50 L37 SAM SUB=L39
L41             STR L37
L42          50 L41 SAM SUB=L39
L43        7953 L41 FULL SUB=L39
                SAV TEM G761C1N2/A L43

     FILE 'CAPLUS' ENTERED AT 15:24:14 ON 12 JUN 2008
L44          86 S L28

     FILE 'STNGUIDE' ENTERED AT 15:24:54 ON 12 JUN 2008

     FILE 'CAPLUS' ENTERED AT 15:30:02 ON 12 JUN 2008

     FILE 'STNGUIDE' ENTERED AT 15:31:06 ON 12 JUN 2008

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     FILE 'STNGUIDE' ENTERED AT 15:37:42 ON 12 JUN 2008

     FILE 'CAPLUS' ENTERED AT 15:37:57 ON 12 JUN 2008
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10521761

FILE 'STNGUIDE' ENTERED AT 15:37:57 ON 12 JUN 2008

=> fil caplus
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 0.06 | 918.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION
CA SUBSCRIBER PRICE | 0.00 | -2.40

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FILE COVERS 1907 - 12 Jun 2008 VOL 148 ISS 24
FILE LAST UPDATED: 11 Jun 2008 (20080611/ED)

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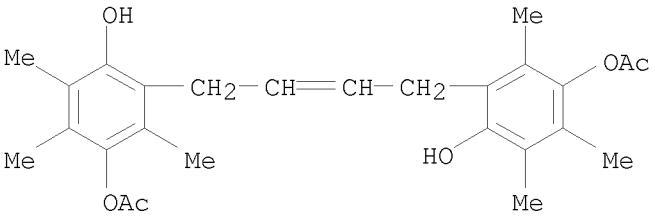
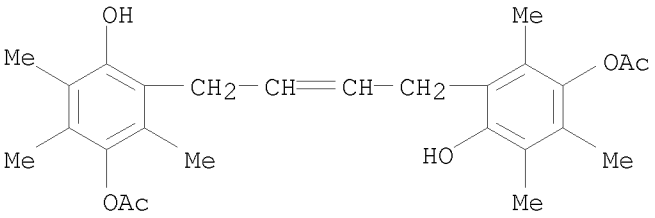
=> s l35
L45 55 L35

=> d hitstr 1-55

L45 ANSWER 1 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 892403-74-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of vitamin E intermediates, phytyl hydroquinone derivs. by cross-metathesis of allylhydroquinones with tetramethylhexadecenyl esters and aldehyde)
RN 892403-74-6 CAPLUS
CN 1,4-Benzenediol, 2,2'-(2-butene-1,4-diyl)bis[3,5,6-trimethyl-, 4,4'-diacetate (CA INDEX NAME)

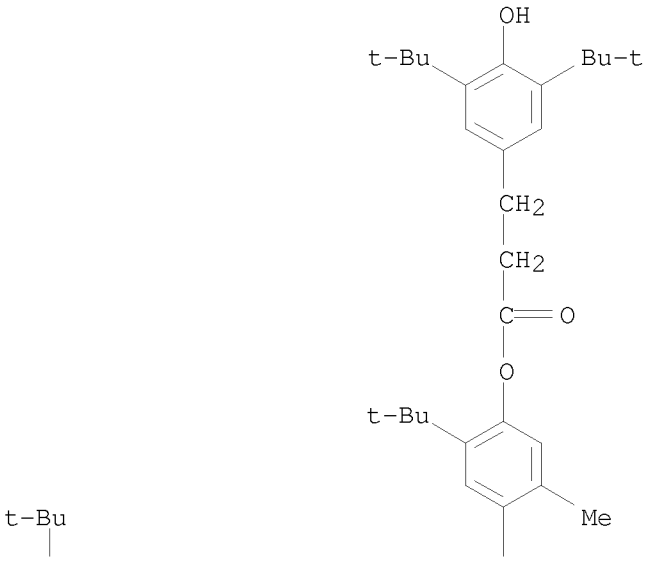


L45 ANSWER 2 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 892403-74-6P
RL: BYP (Byproduct); PREP (Preparation)
(preparation of olefins as vitamin E precursors by cross-metathesis)
RN 892403-74-6 CAPLUS
CN 1,4-Benzenediol, 2,2'-(2-butene-1,4-diyl)bis[3,5,6-trimethyl-, 4,4'-diacetate (CA INDEX NAME)

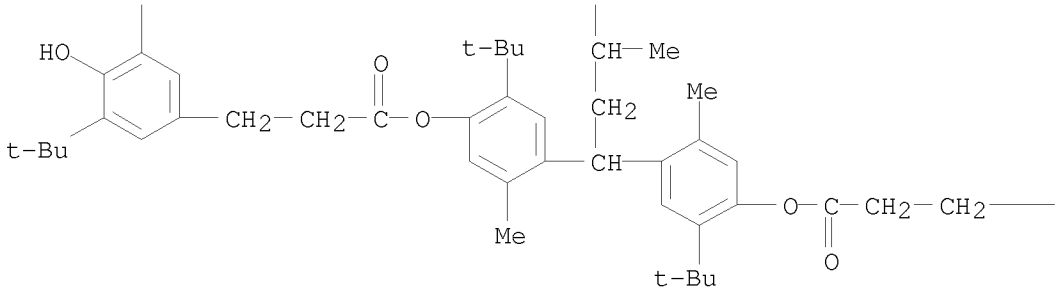


L45 ANSWER 3 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2
RL: MOA (Modifier or additive use); USES (Uses)
(compns. of stabilizers in resins for battery or capacitor separators)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



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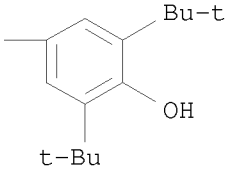
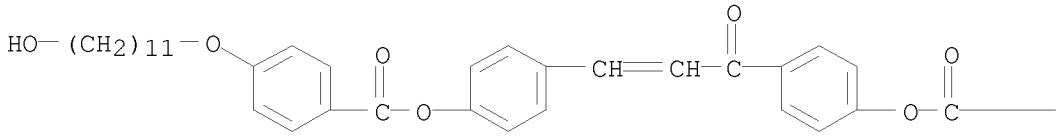


L45 ANSWER 4 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 823808-17-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis and thermal properties of main chain polyimides containing chalcone derivative)
RN 823808-17-9 CAPLUS
CN Benzoic acid, 4-[(11-hydroxyundecyl)oxy]-, 4-[3-[4-[[4-[(11-hydroxyundecyl)oxy]benzoyl]oxy]phenyl]-1-oxo-2-propen-1-yl]phenyl ester (CA INDEX NAME)

PAGE 1-A



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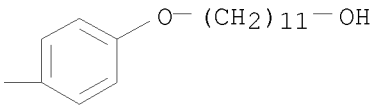
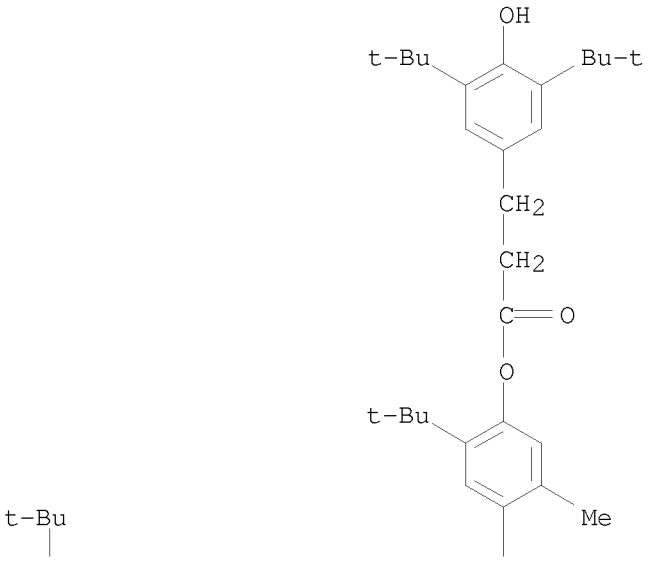


L45 ANSWER 5 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2, GSY 242
RL: MOA (Modifier or additive use); USES (Uses)
(antioxidant; shaped articles of antioxidant-containing polyolefin resin compns. and vinyl chloride resins)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



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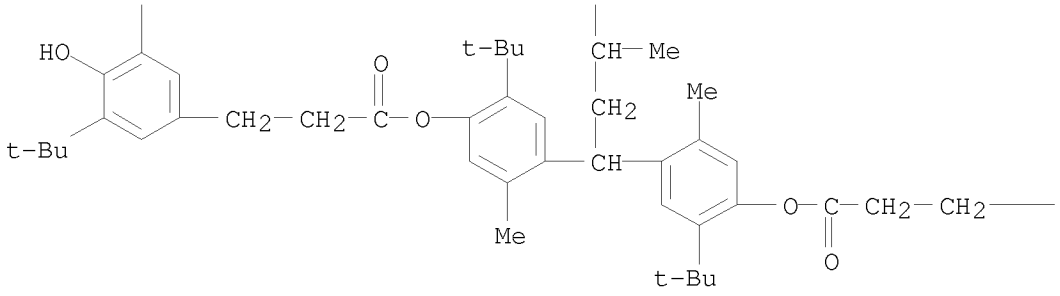

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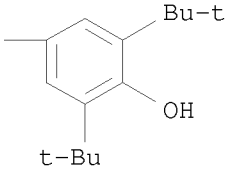
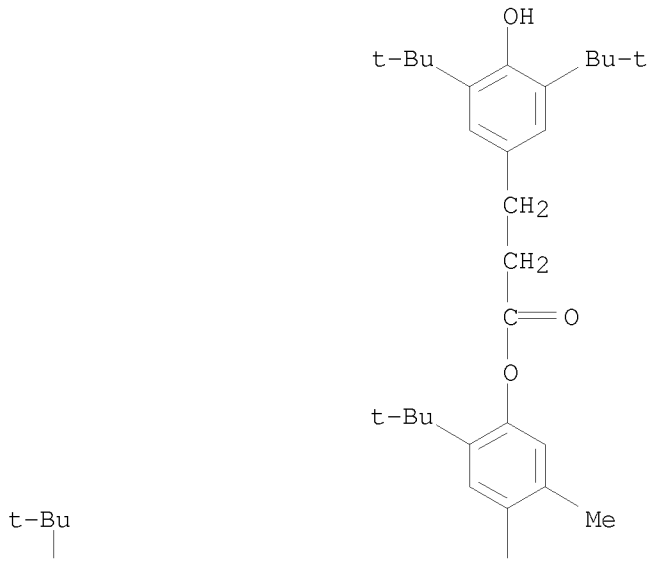


L45 ANSWER 6 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2
RL: MOA (Modifier or additive use); USES (Uses)
(stabilized polymer composition containing hindered phenols, phosphorus and sulfur compds.)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



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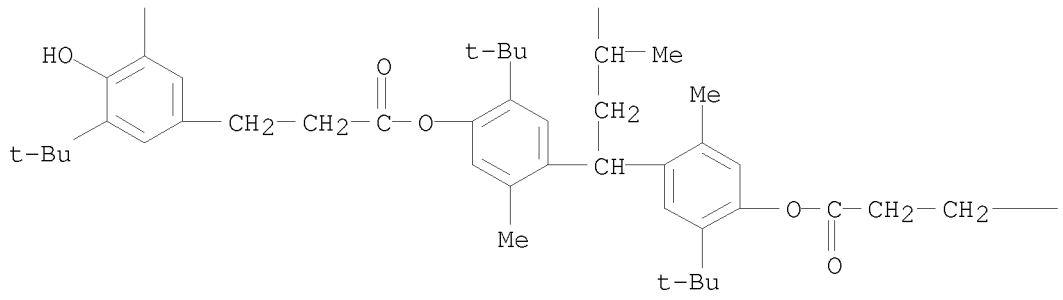

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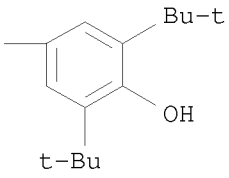
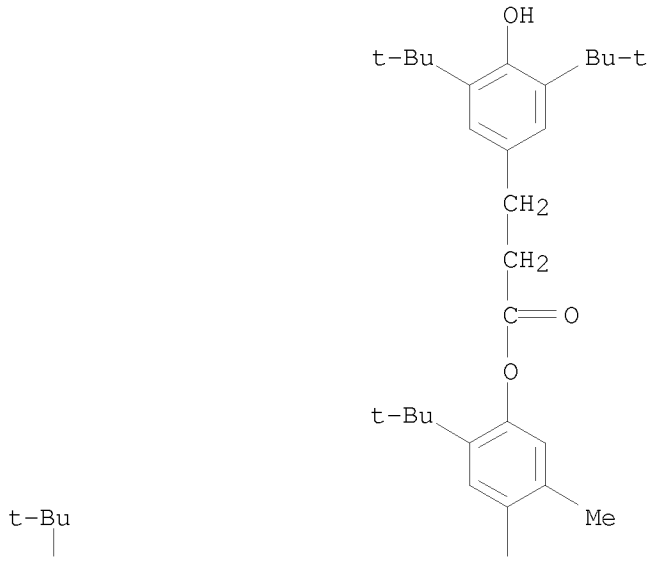
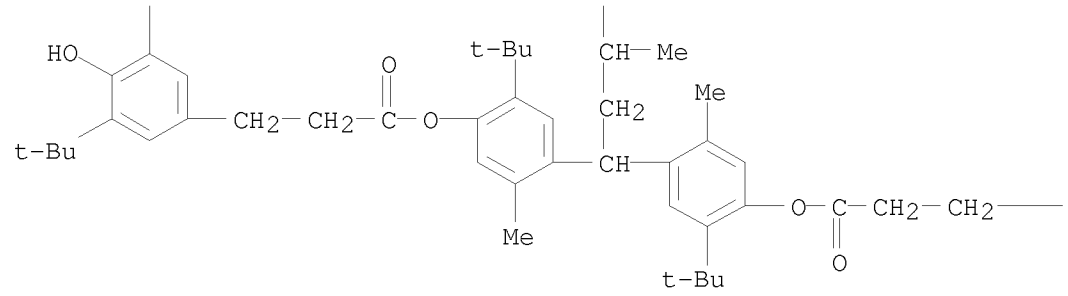


L45 ANSWER 7 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3 202331-18-8
202331-19-9
RL: MOA (Modifier or additive use); USES (Uses)
(stabilized polyolefin resin composition containing low concentration of antioxidant)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



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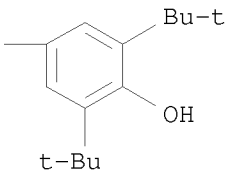
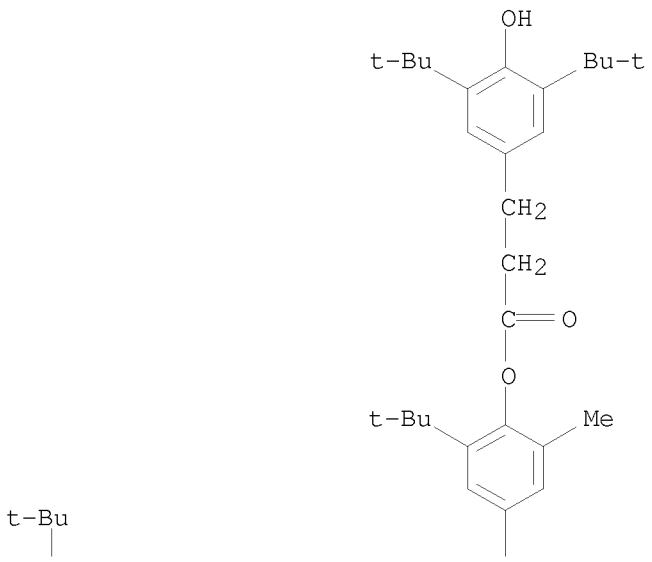


RN 180002-87-3 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

PAGE 1-A



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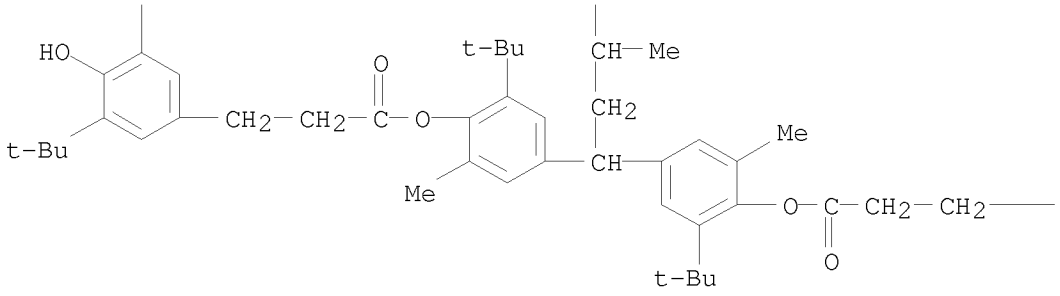
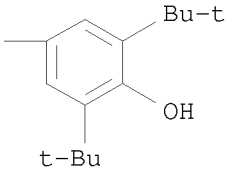


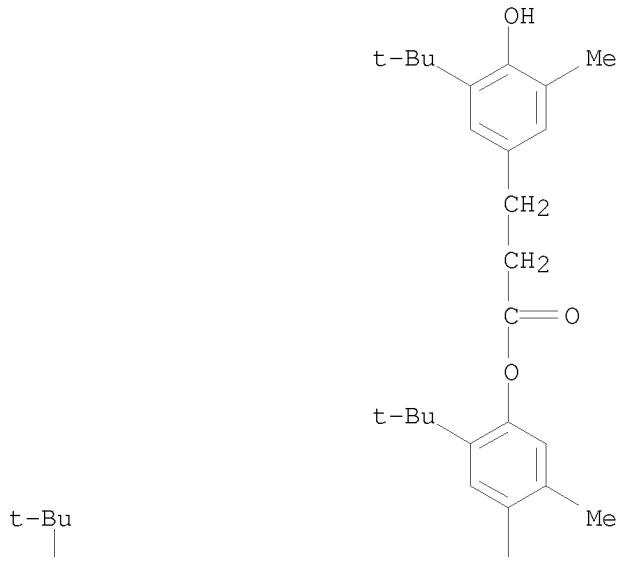
PAGE 2-B



RN 202331-18-8 CAPLUS

CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

PAGE 1-A



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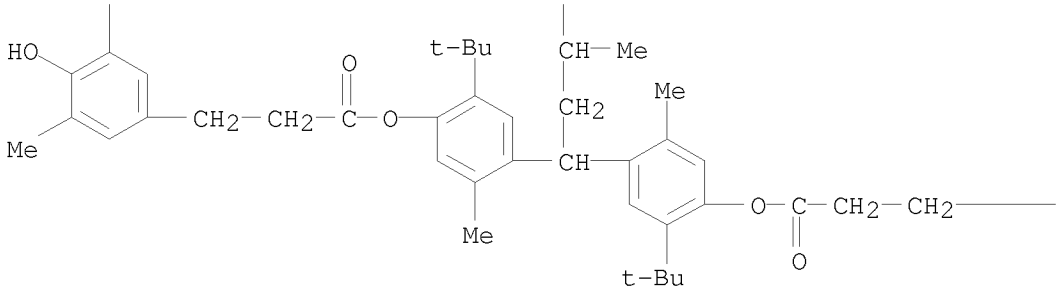

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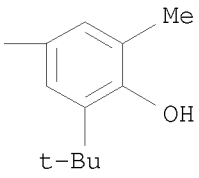
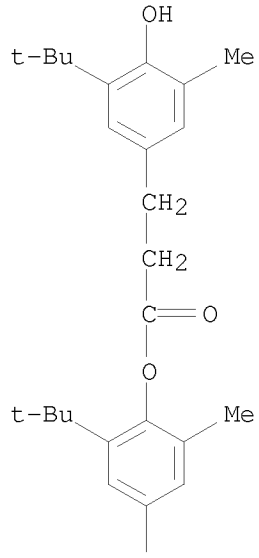


RN 202331-19-9 CAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

PAGE 1-A



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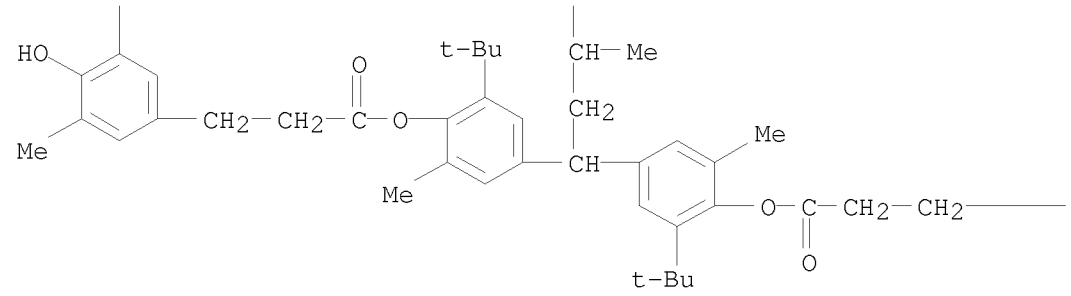

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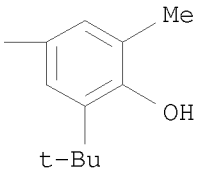
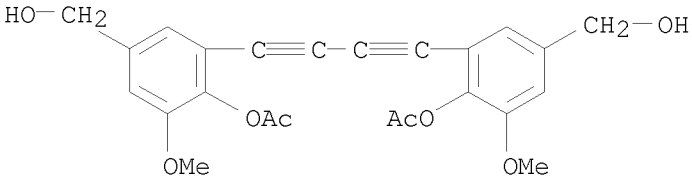


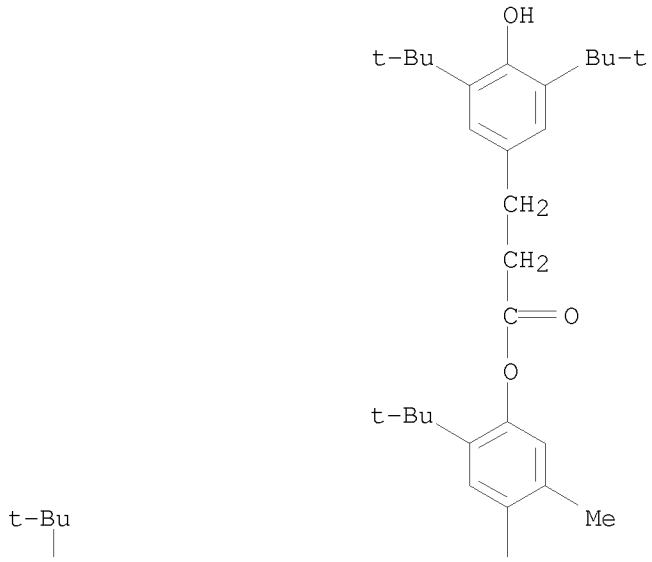
L45 ANSWER 8 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 339588-47-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid-phase synthesis of alkadiynediol bis(benzofurancarboxylate)s via acetylenic homocoupling catalyzed by AgOTs-CuCl2-TMEDA)
RN 339588-47-5 CAPLUS
CN Benzenemethanol, 3,3'-(1,3-butadiyne-1,4-diyl)bis[4-(acetyloxy)-5-methoxy-
(CA INDEX NAME)



L45 ANSWER 9 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3 202331-18-8
202331-19-9
RL: MOA (Modifier or additive use); USES (Uses)
(degradation inhibitor for resin material, chlorine water-resistant resin composition and method for inhibiting degradation)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-,
1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-

4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



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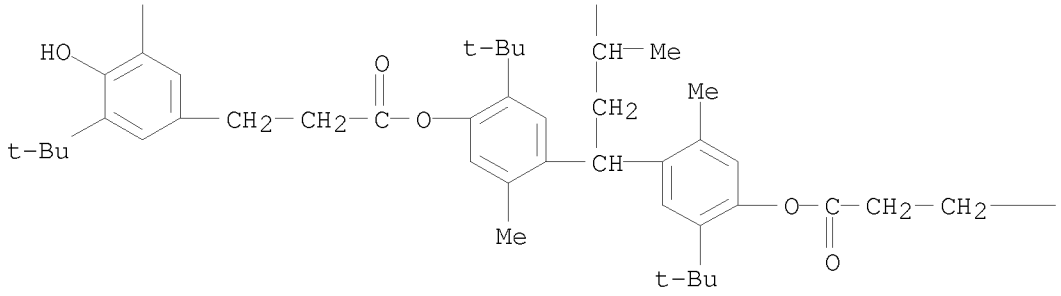

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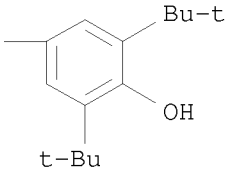
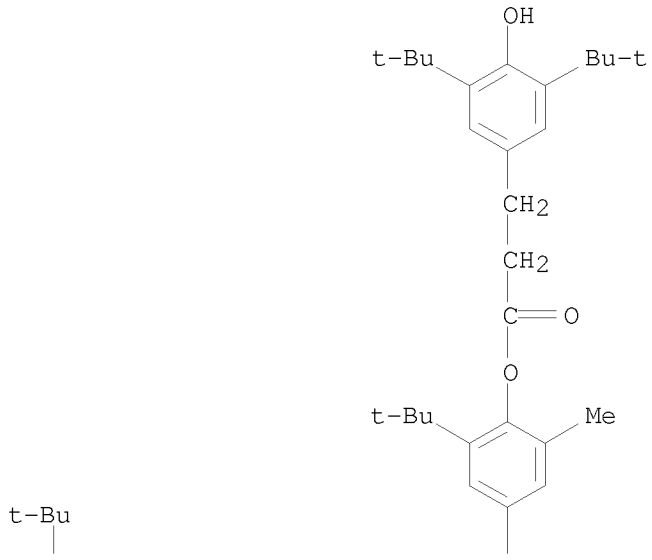


RN 180002-87-3 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

PAGE 1-A



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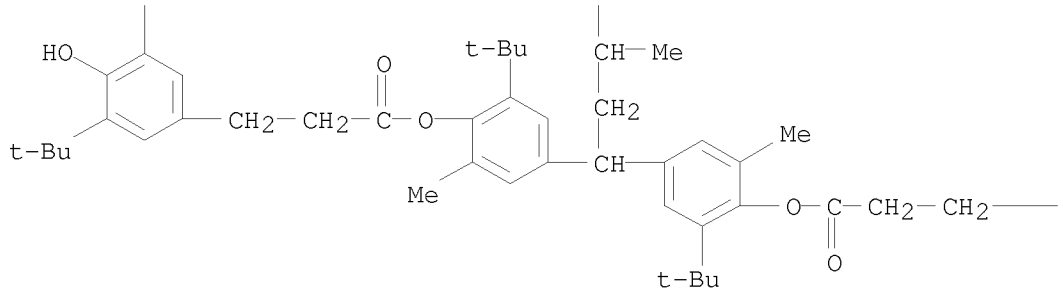
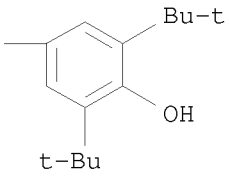
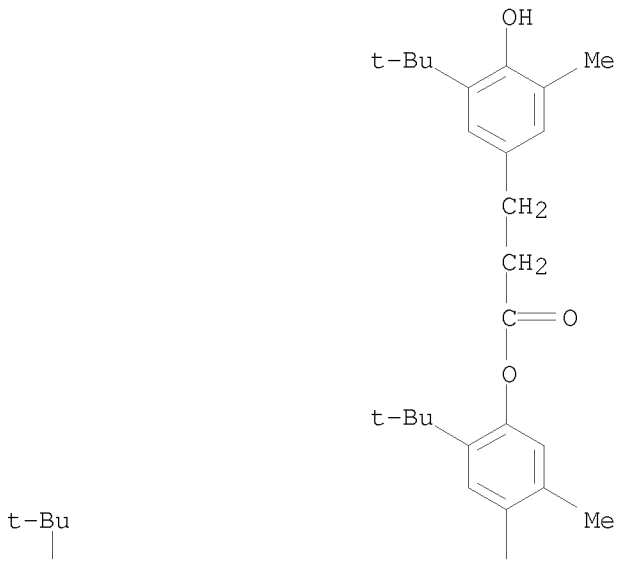


PAGE 2-B



RN 202331-18-8 CAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

PAGE 1-A



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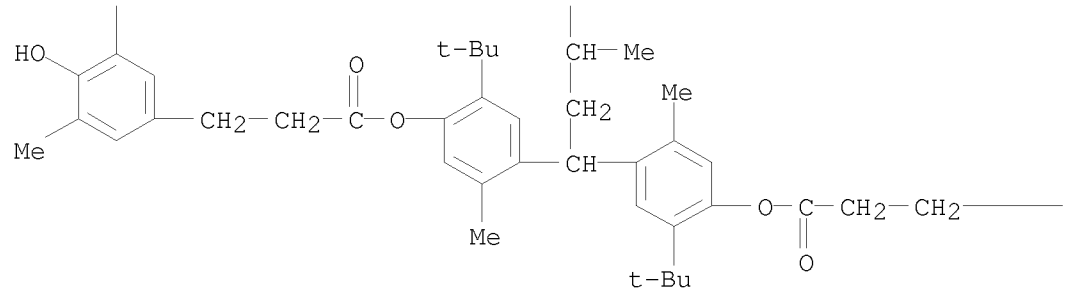

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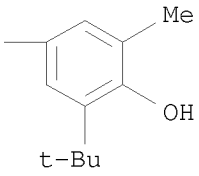

RN 202331-19-9 CAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

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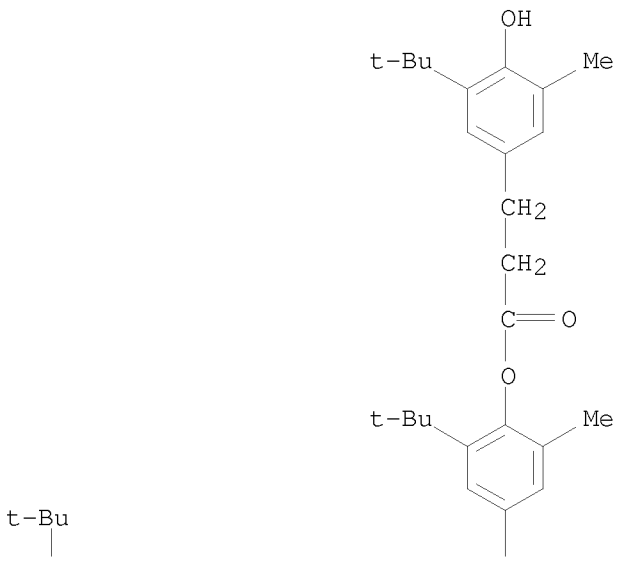

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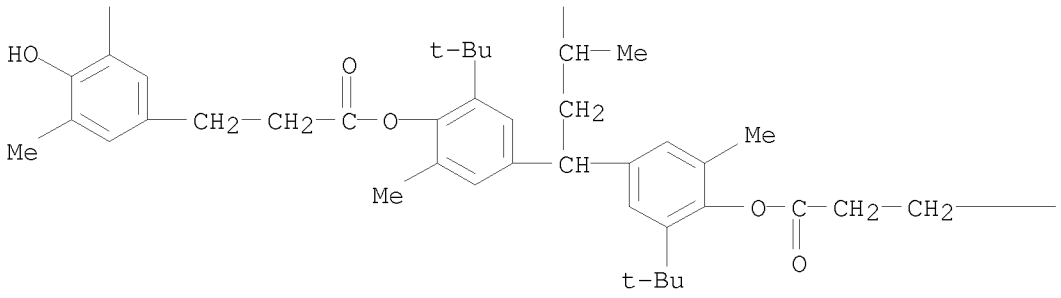

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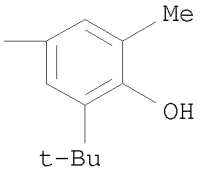
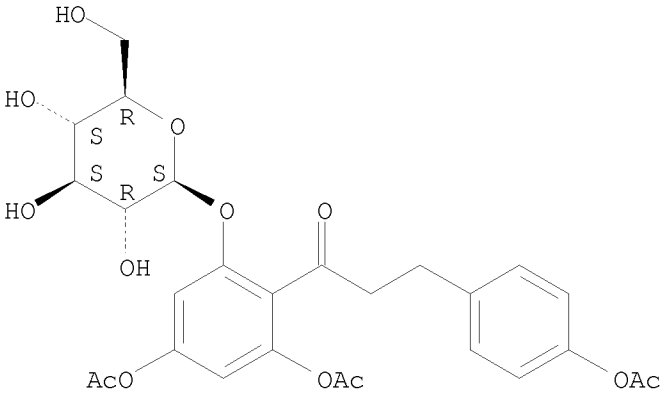


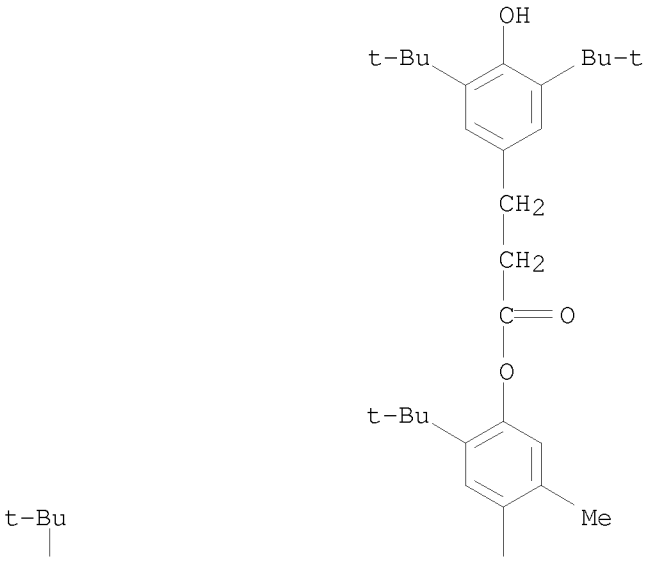
L45 ANSWER 10 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 286382-99-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(effect of phosphorylated phloretin derivative effect intestinal Na+-dependent phosphate absorption)
RN 286382-99-8 CAPLUS
CN 1-Propanone, 3-[4-(acetyloxy)phenyl]-1-[2,4-bis(acetyloxy)-6-(β-D-glucopyranosyloxy)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



L45 ANSWER 11 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2, GSY 242
RL: MOA (Modifier or additive use); USES (Uses)
(GSY 242; environmental change surrounding resin antioxidants)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



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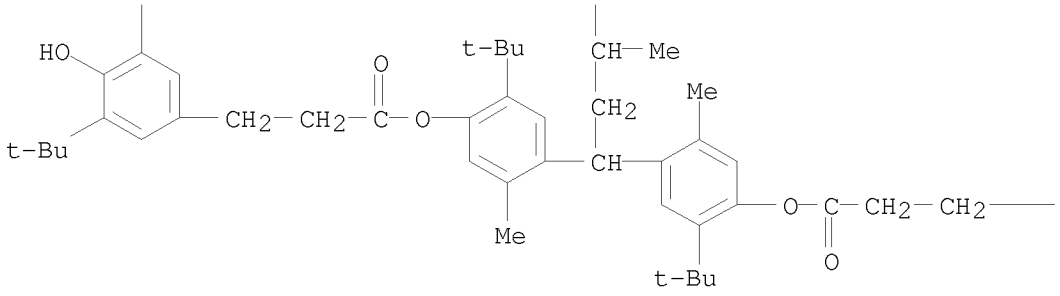

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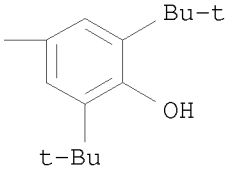
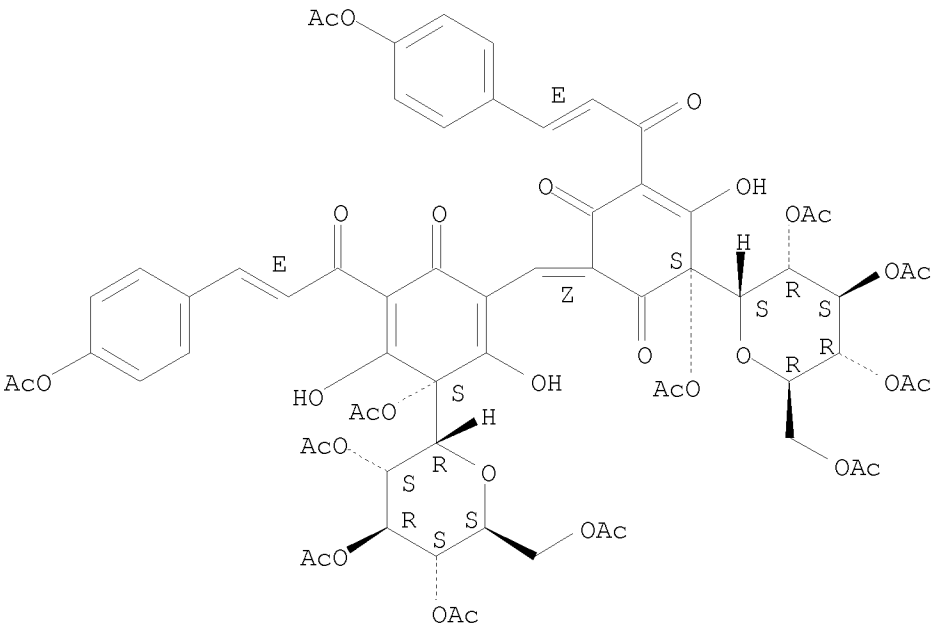


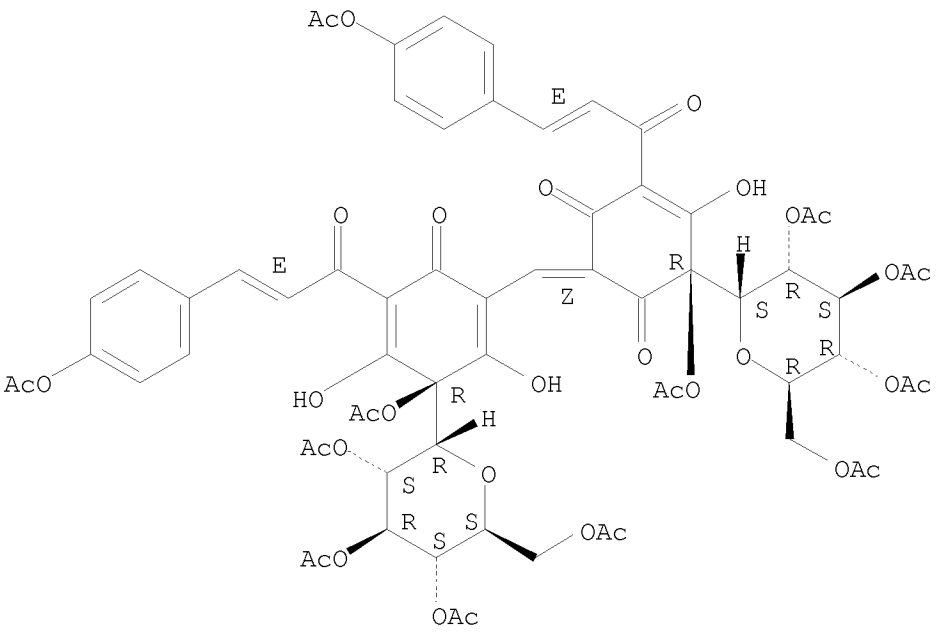
L45 ANSWER 12 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 401796-81-4P 401796-82-5P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(pigment; preparation of carthamin acetate red pigment in safflower petals)
RN 401796-81-4 CAPLUS
CN 4-Cyclohexene-1,3-dione, 6-(acetyloxy)-2-[[(3S)-3-(acetyloxy)-5-[(2E)-3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-2,4-dihydroxy-6-oxo-3-[(2R,3S,4R,5S,6S)-3,4,5-tris(acetyloxy)-6-[(acetyloxy)methyl]tetrahydro-2H-pyran-2-yl]-1,4-cyclohexadien-1-yl]methylene]-4-[(2E)-3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-5-hydroxy-6-[(2S,3R,4S,5R,6R)-3,4,5-tris(acetyloxy)-6-[(acetyloxy)methyl]tetrahydro-2H-pyran-2-yl]-, (2Z,6S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

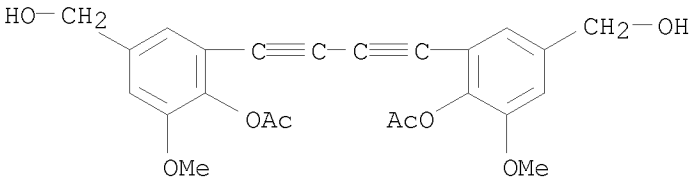


RN 401796-82-5 CAPLUS
CN 4-Cyclohexene-1,3-dione, 6-(acetyloxy)-2-[[(3R)-3-(acetyloxy)-5-[(2E)-3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-2,4-dihydroxy-6-oxo-3-[(2R,3S,4R,5S,6S)-3,4,5-tris(acetyloxy)-6-[(acetyloxy)methyl]tetrahydro-2H-pyran-2-yl]-1,4-cyclohexadien-1-yl]methylene]-4-[(2E)-3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-5-hydroxy-6-[(2S,3R,4S,5R,6R)-3,4,5-tris(acetyloxy)-6-[(acetyloxy)methyl]tetrahydro-2H-pyran-2-yl]-, (2Z,6R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L45 ANSWER 13 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 339588-47-5P
RL: BYP (Byproduct); SPN (Synthetic preparation); PREP (Preparation)
(optimization of Sonogashira cross-coupling on high-loading macrobeads using silyl linker)
RN 339588-47-5 CAPLUS
CN Benzenemethanol, 3,3'-(1,3-butadiyne-1,4-diyl)bis[4-(acetyloxy)-5-methoxy- (CA INDEX NAME)



L45 ANSWER 14 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
(thermal printing material containing phenolic compound decoloration preventing agent)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

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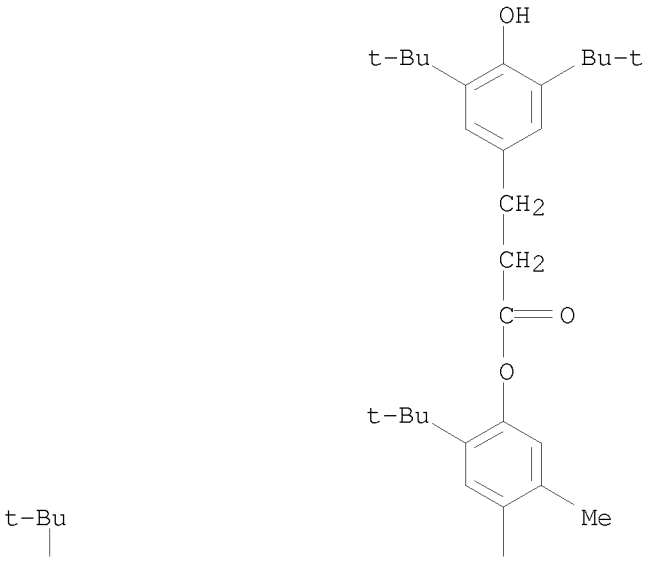

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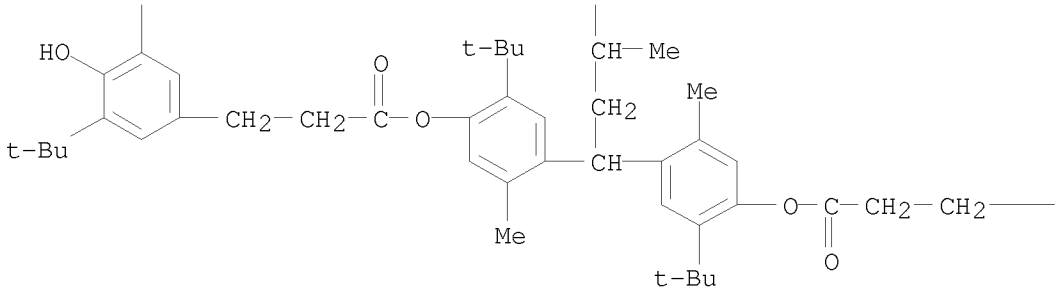

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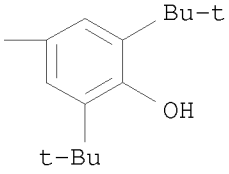
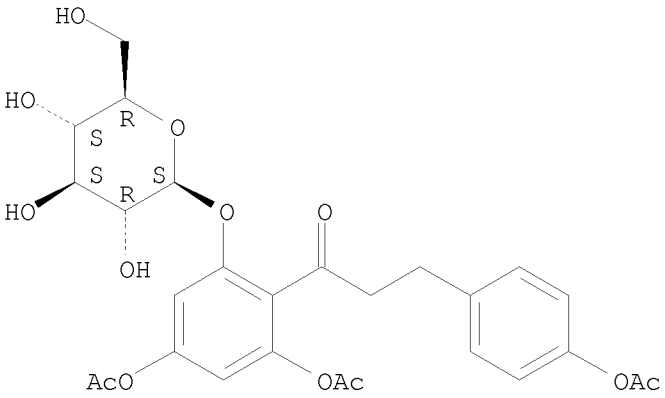


L45 ANSWER 15 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 286382-99-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction; aryl phosphate, thiophosphate, and aminophosphate inhibitors of intestinal apical membrane sodium/phosphate co-transport, and therapeutic use)
RN 286382-99-8 CAPLUS
CN 1-Propanone, 3-[4-(acetyloxy)phenyl]-1-[2,4-bis(acetyloxy)-6-(β-D-glucopyranosyloxy)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



L45 ANSWER 16 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 252353-00-7P
RL: DEV (Device component use); NUU (Other use, unclassified); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)
(preparation of optically active butane-tetrol derivative for doping of liquid
crystals in display devices)
RN 252353-00-7 CAPLUS
CN Benzoic acid, 4-[[6-[(1-oxo-2-propenyl)oxy]hexyl]oxy]-, [(2R,3R)-1,2,3,4-tetrahydroxy-1,4-butanediylidene]tetra-4,1-phenylene ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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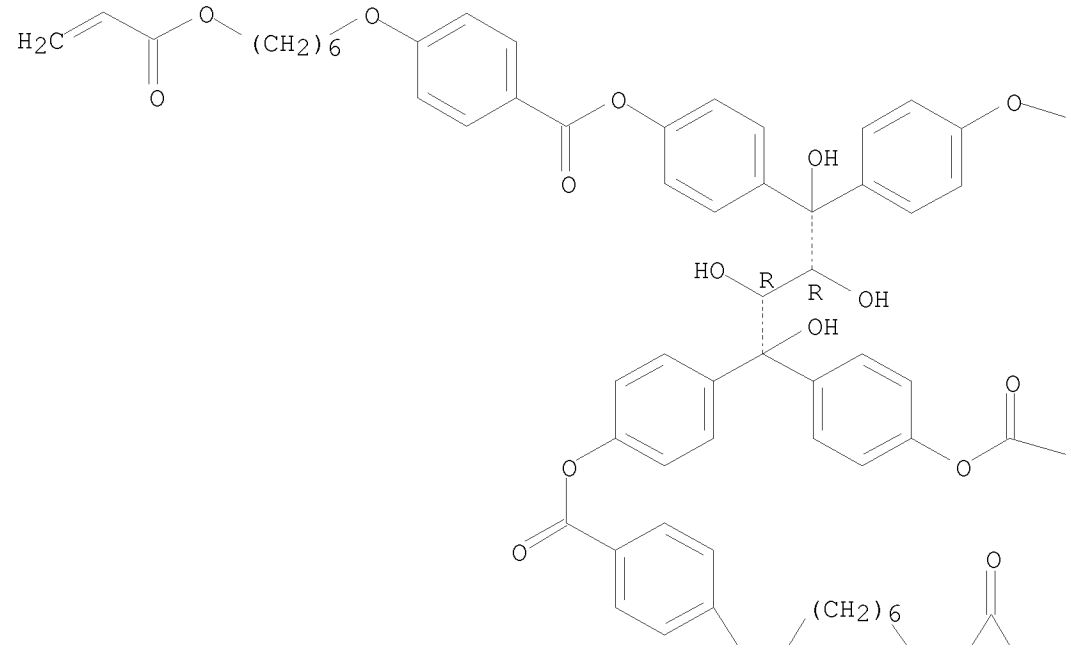

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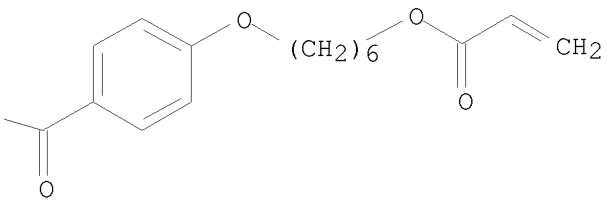

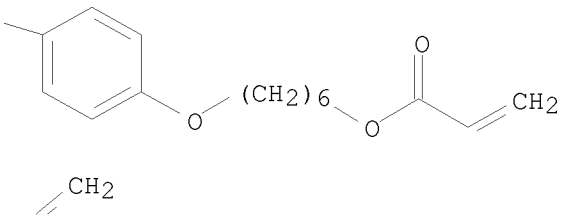

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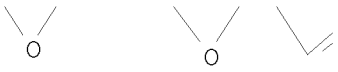

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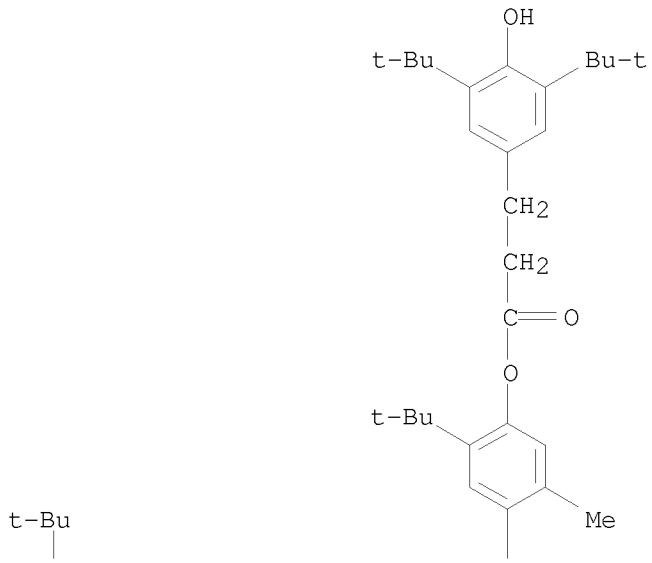
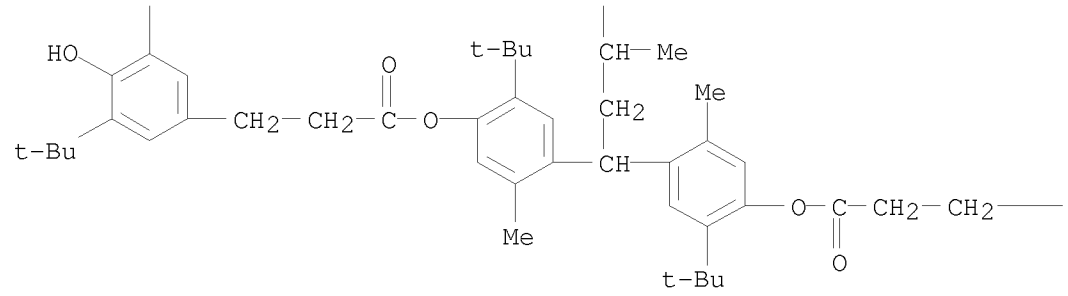
L45 ANSWER 17 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3 202331-18-8
242467-79-4
RL: MOA (Modifier or additive use); USES (Uses)
(antioxidant; flame retardant polyolefin compns. with good heavy metal-induced oxidation resistance)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

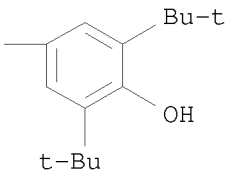
PAGE 1-A



PAGE 2-A

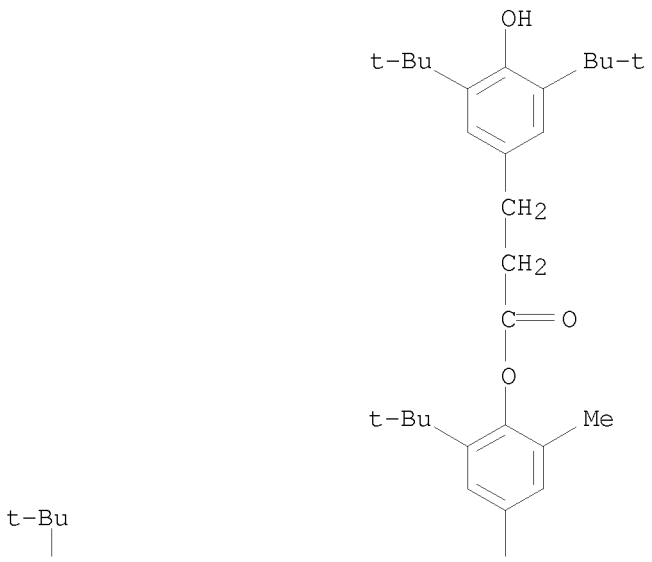


PAGE 2-B

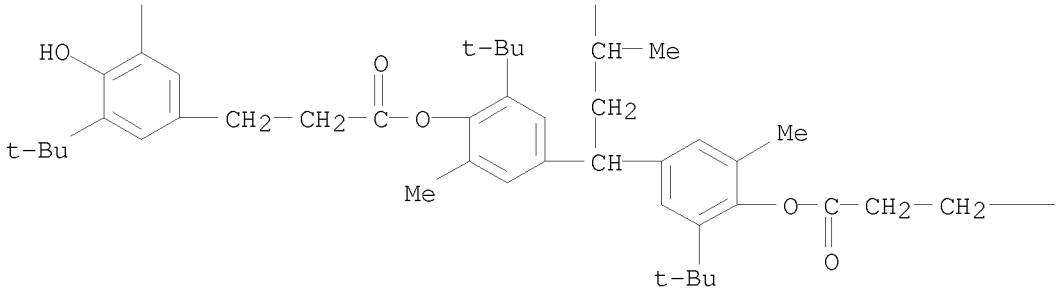


RN 180002-87-3 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

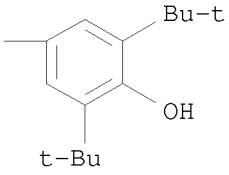
PAGE 1-A



PAGE 2-A



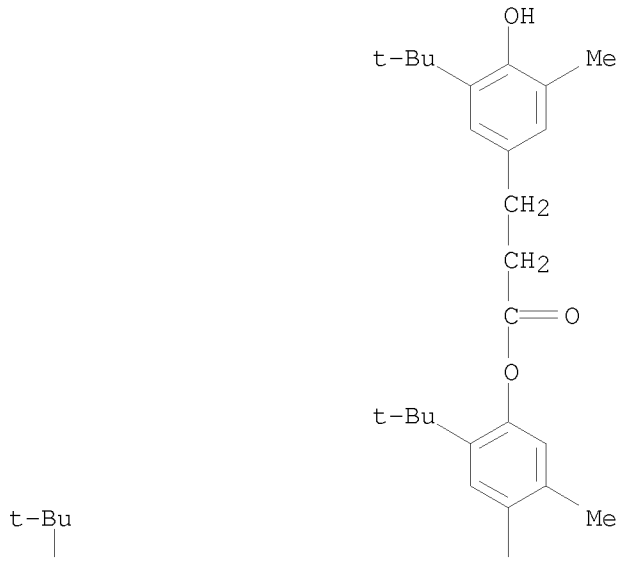
PAGE 2-B



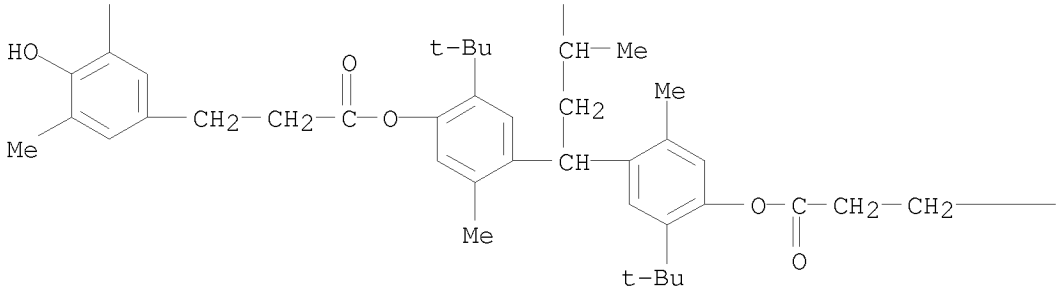
RN 202331-18-8 CAPLUS

CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

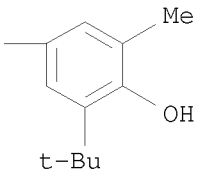
PAGE 1-A



PAGE 2-A

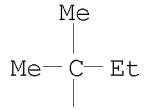


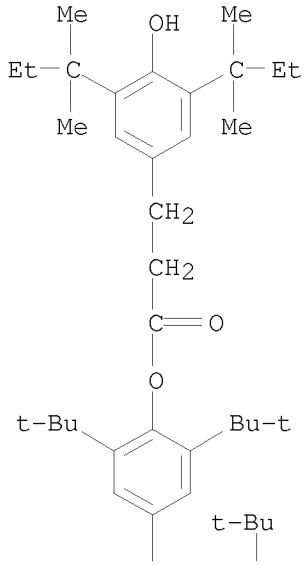
PAGE 2-B



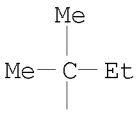
RN 242467-79-4 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylpropyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2,6-bis(1,1-dimethylethyl)-4,1-phenylene] ester (9CI) (CA INDEX NAME)

PAGE 1-A

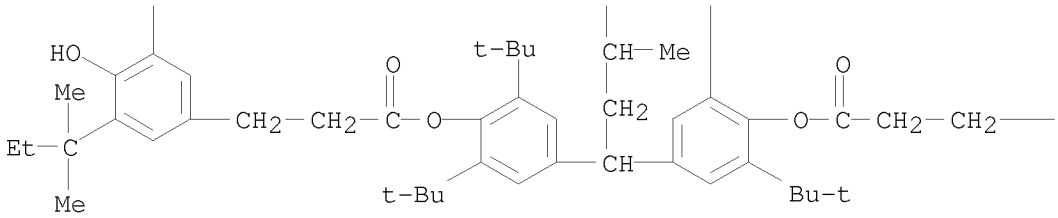




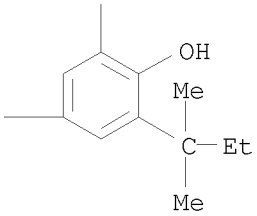
PAGE 1-B



PAGE 2-A



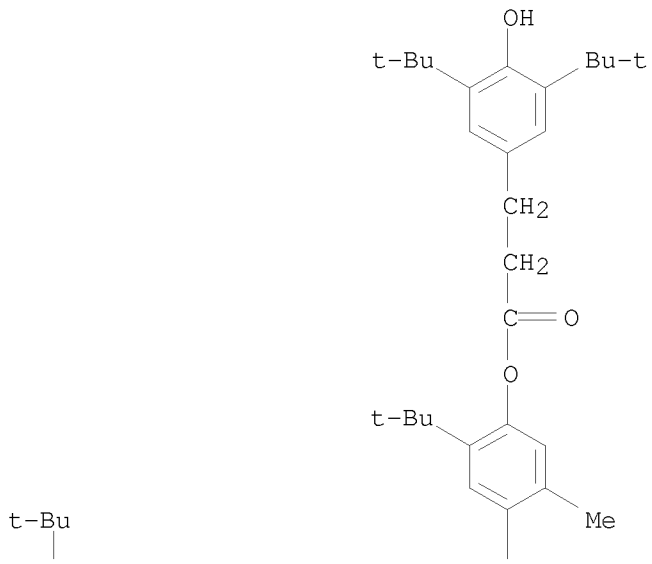
PAGE 2-B



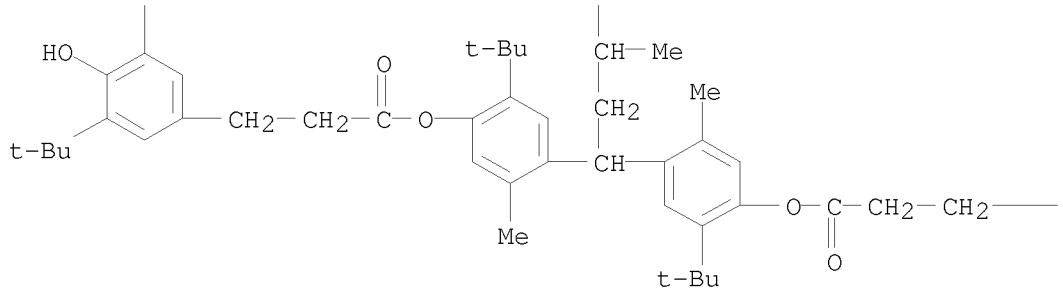
L45 ANSWER 18 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(antioxidant; polyolefin pipes with excellent oxidative degradation resistance in the presence of water)
RN 180002-86-2 CAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

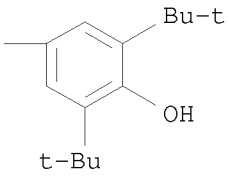
PAGE 1-A



PAGE 2-A

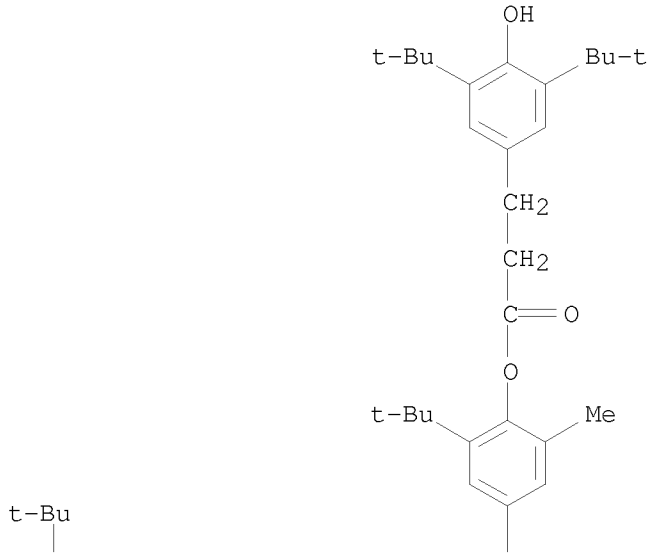


PAGE 2-B

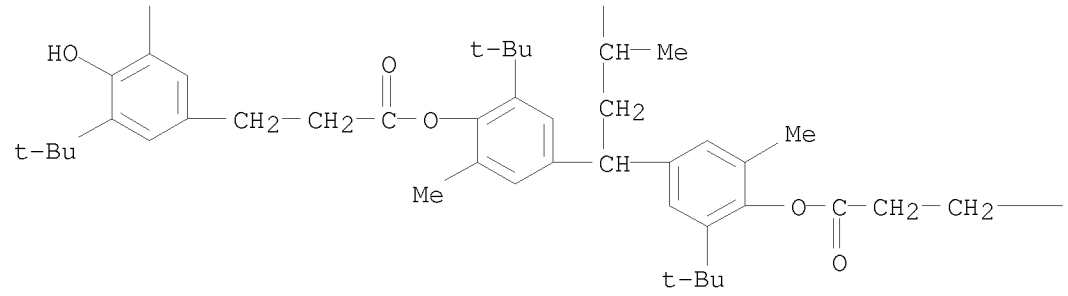


RN 180002-87-3 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

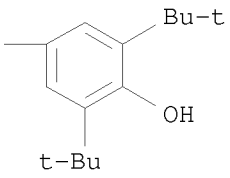
PAGE 1-A



PAGE 2-A

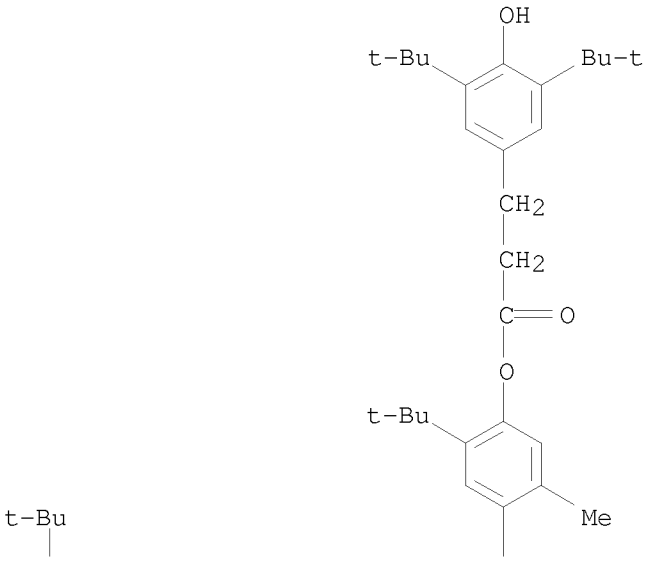


PAGE 2-B

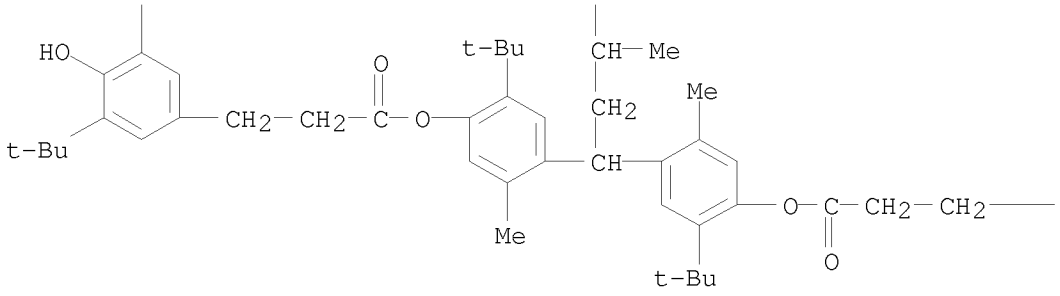


L45 ANSWER 19 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3 202331-18-8
242467-79-4
RL: MOA (Modifier or additive use); USES (Uses)
(stabilized polyolefin compns. for use in heat-exchange system)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

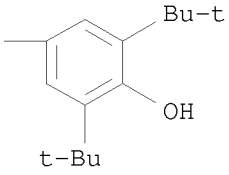
PAGE 1-A



PAGE 2-A



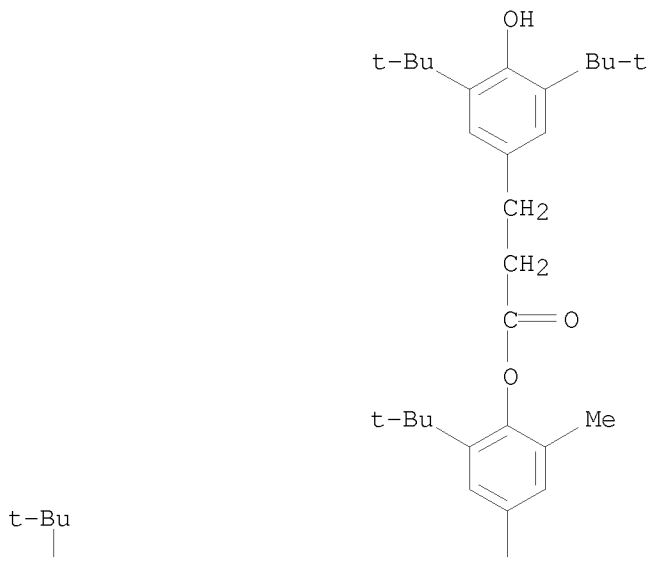
PAGE 2-B



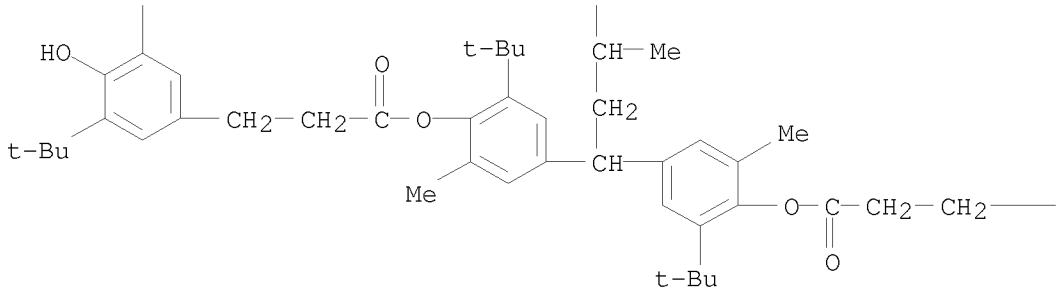
RN 180002-87-3 CAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

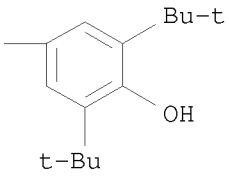
PAGE 1-A



PAGE 2-A

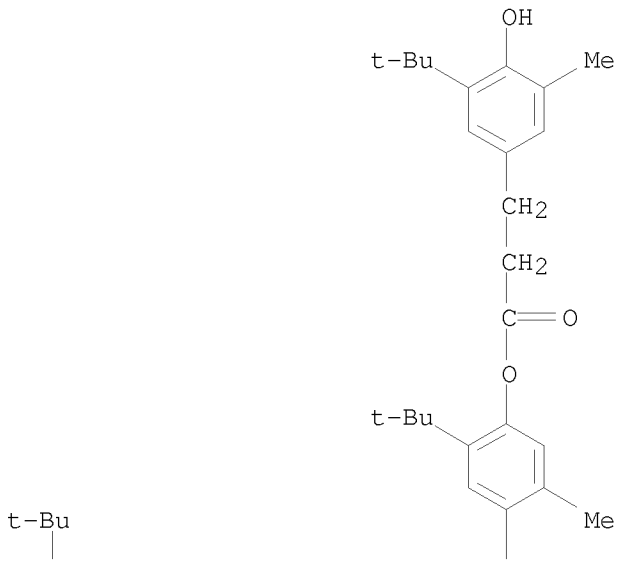


PAGE 2-B

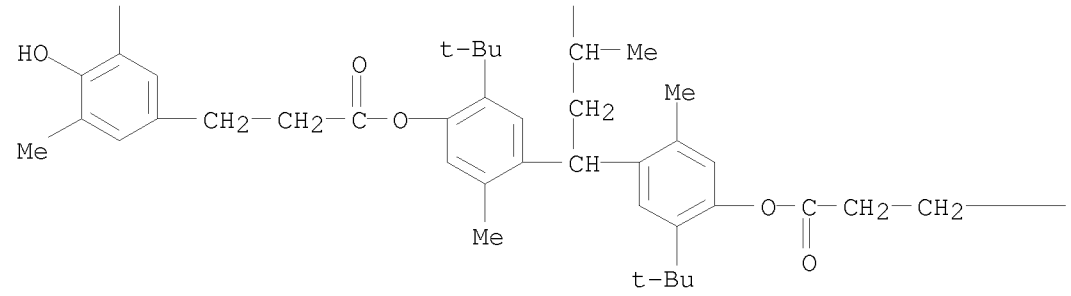


RN 202331-18-8 CAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

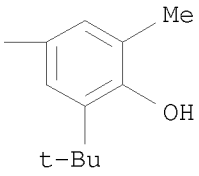
PAGE 1-A



PAGE 2-A

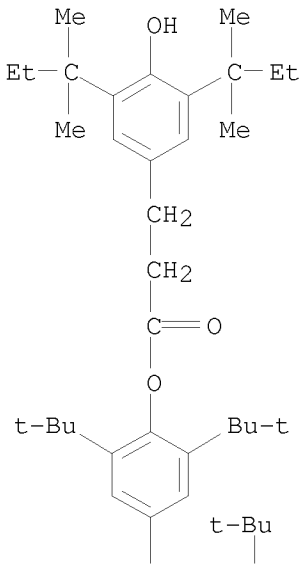


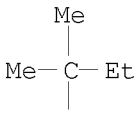
PAGE 2-B



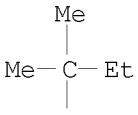
RN 242467-79-4 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylpropyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2,6-bis(1,1-dimethylethyl)-4,1-phenylene] ester (9CI) (CA INDEX NAME)

PAGE 1-A

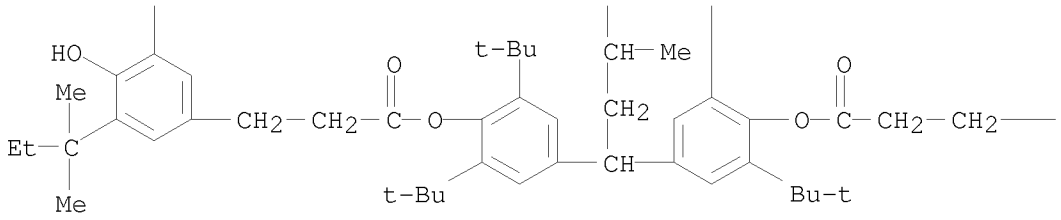




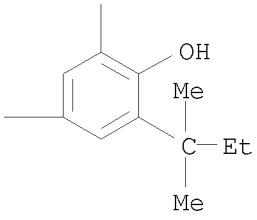
PAGE 1-B



PAGE 2-A

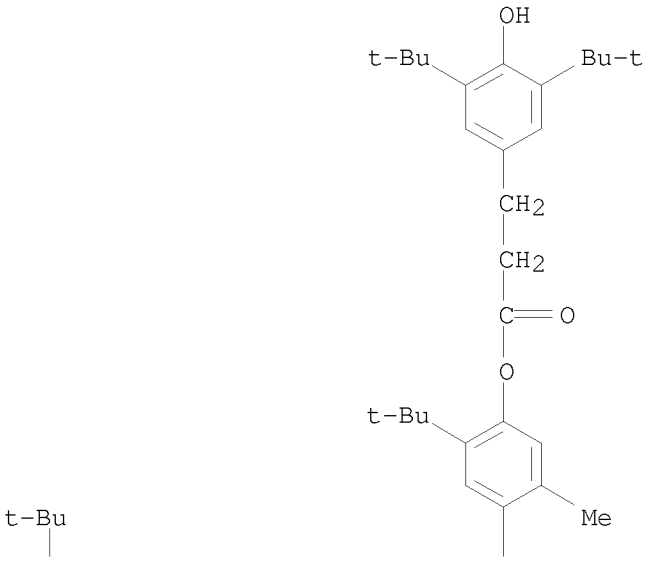


PAGE 2-B



L45 ANSWER 20 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3
RL: MOA (Modifier or additive use); USES (Uses)
(antioxidants; durable crosslinked polyolefin tubes containing antioxidants including hindered phenols)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



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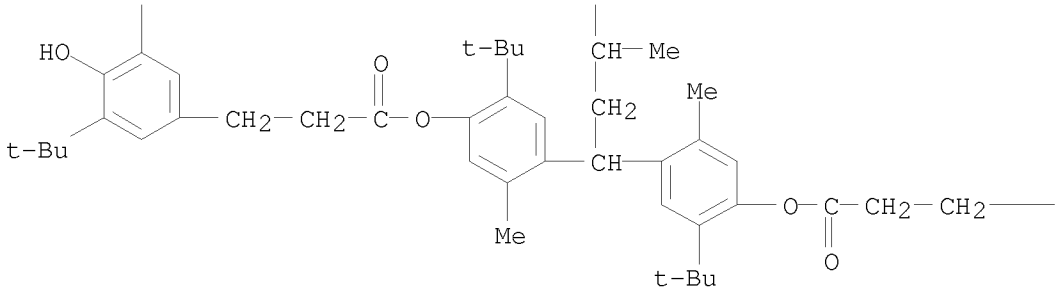
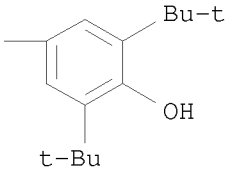


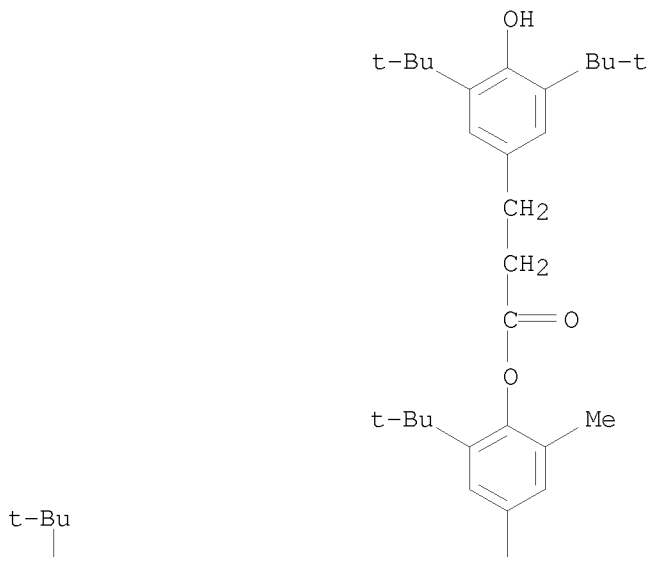
PAGE 2-B



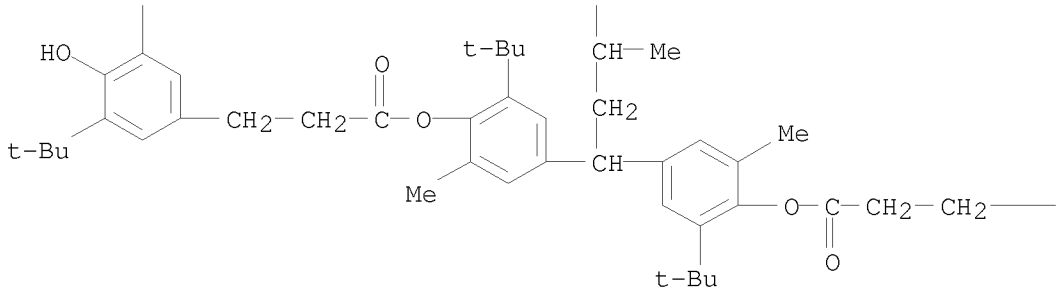
RN 180002-87-3 CAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

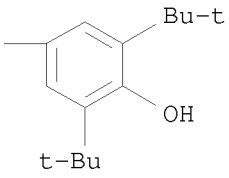
PAGE 1-A



PAGE 2-A

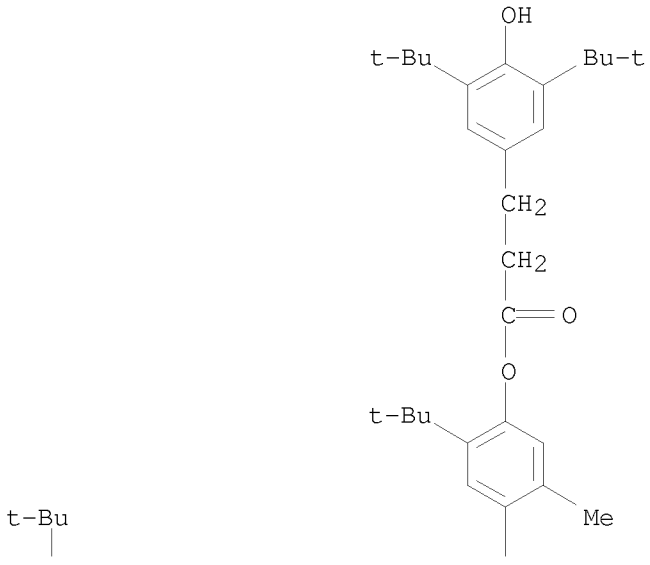


PAGE 2-B

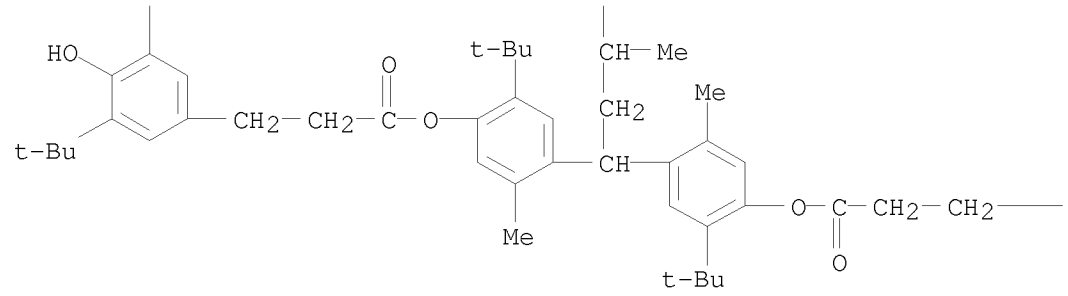


L45 ANSWER 21 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(antioxidants; water-resistant extrusion moldings of crosslinked polyolefin resins and manufacture)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

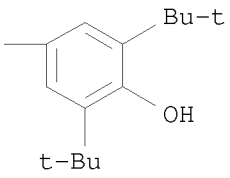
PAGE 1-A



PAGE 2-A

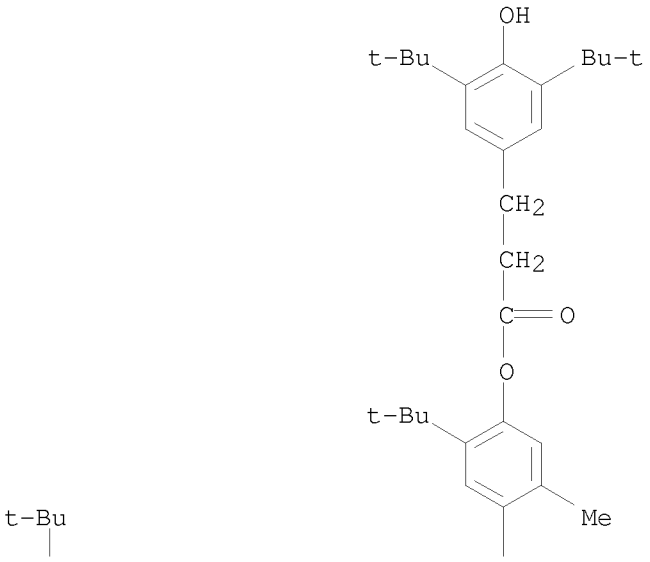


PAGE 2-B

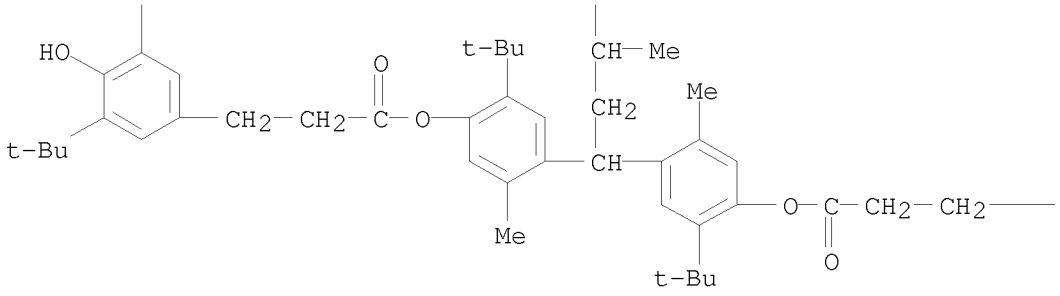


L45 ANSWER 22 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(polyolefin composition with good mech. strength and good discoloration prevention after in hot or cool water for a long period)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

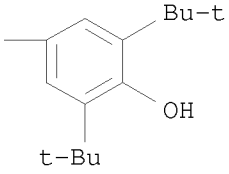
PAGE 1-A



PAGE 2-A

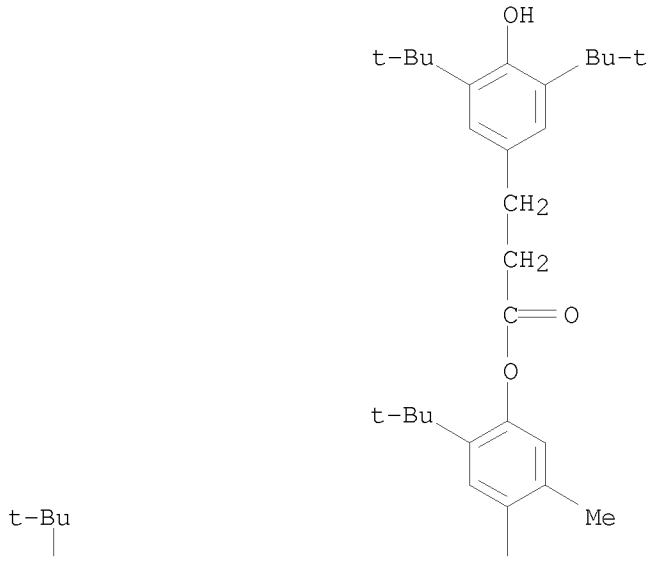


PAGE 2-B



L45 ANSWER 23 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(manufacture of beta-crystalline oligomeric hindered phenolic compound for use as
antioxidant)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



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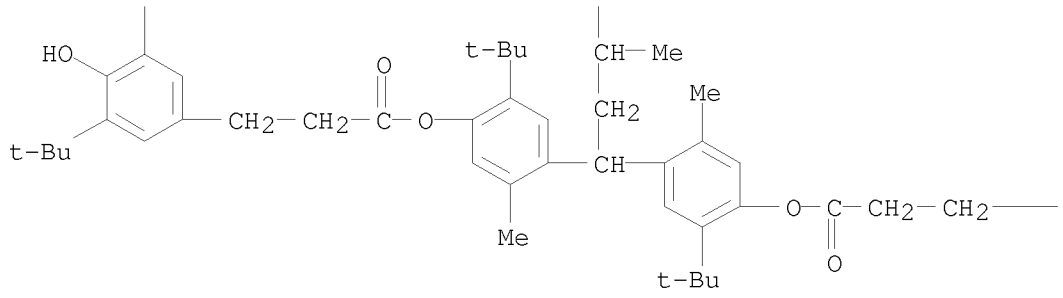
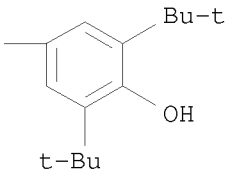
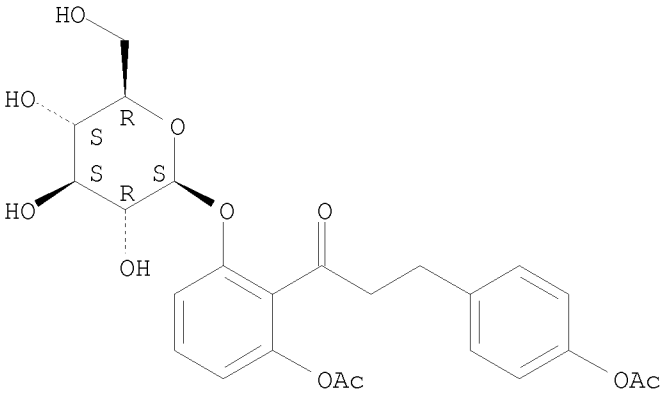




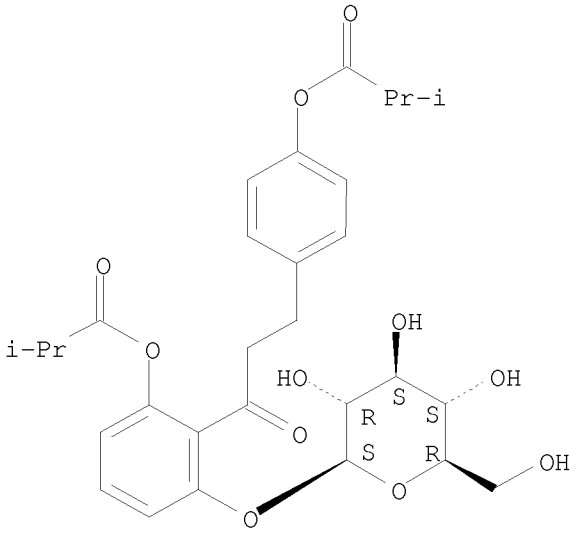
L45 ANSWER 24 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 156728-76-6P 156728-77-7P 156728-78-8P
156728-79-9P 156728-80-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of dihydrochalcone sugar derivs. as antidiabetic agents)
RN 156728-76-6 CAPLUS
CN 1-Propanone, 1-[2-(acetyloxy)-6-(β-D-glucopyranosyloxy)phenyl]-3-[4-(acetyloxy)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



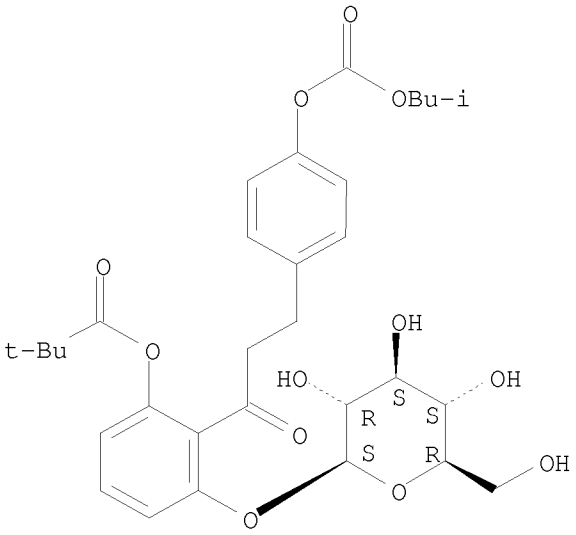
RN 156728-77-7 CAPLUS
CN Propanoic acid, 2-methyl-, 3-(β-D-glucopyranosyloxy)-2-[3-[4-(2-methyl-1-oxopropoxy)phenyl]-1-oxopropyl]phenyl ester (CA INDEX NAME)

Absolute stereochemistry.



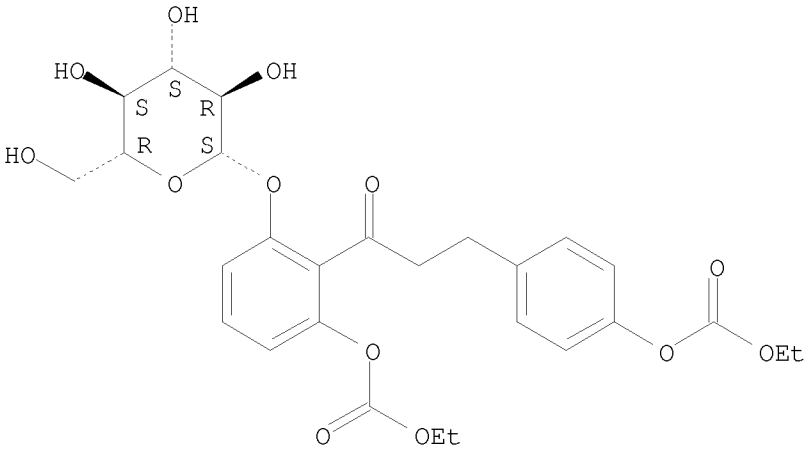
RN 156728-78-8 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, 3-(β-D-glucopyranosyloxy)-2-[3-[4-[[(2-methylpropoxy)carbonyl]oxy]phenyl]-1-oxopropyl]phenyl ester (CA INDEX NAME)

Absolute stereochemistry.



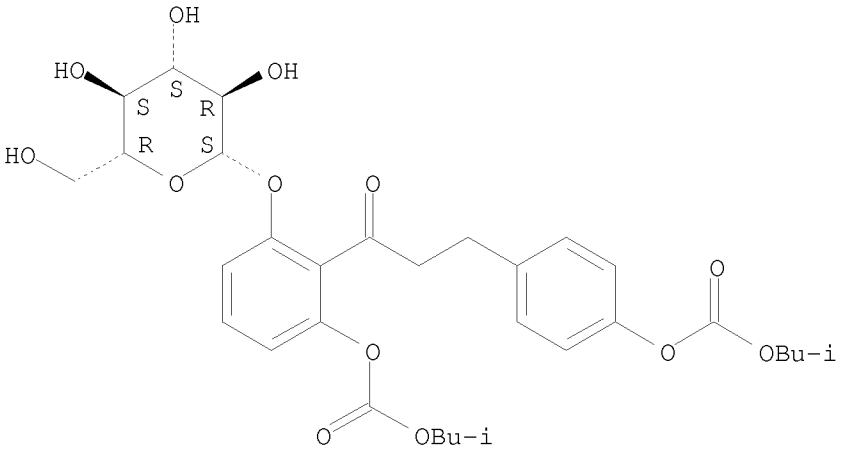
RN 156728-79-9 CAPLUS
CN Carbonic acid, 4-[3-[2-[(ethoxycarbonyl)oxy]-6-(β-D-glucopyranosyloxy)phenyl]-3-oxopropyl]phenyl ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



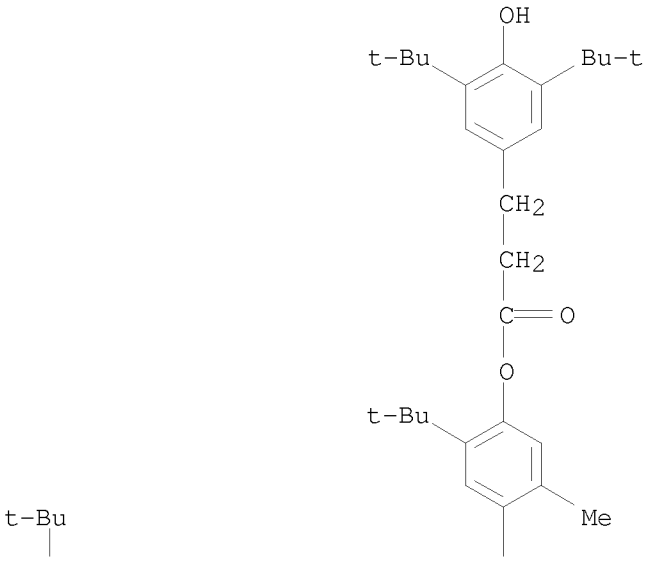
RN 156728-80-2 CAPLUS
CN Carbonic acid, 3-(β-D-glucopyranosyloxy)-2-[3-[4-[[(2-methylpropoxy)carbonyl]oxy]phenyl]-1-oxopropyl]phenyl 2-methylpropyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L45 ANSWER 25 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3
RL: MOA (Modifier or additive use); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(bleeding-resistant durable polyolefin injection moldings containing antioxidants for jacketting steel pipes)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



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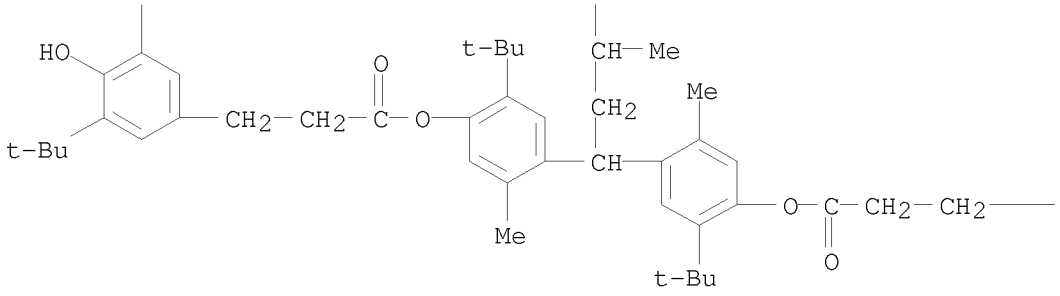
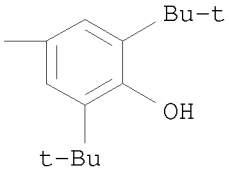


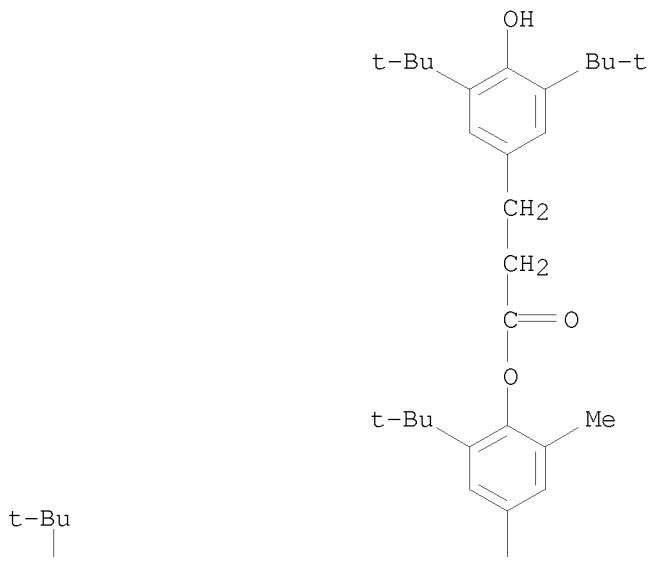
PAGE 2-B



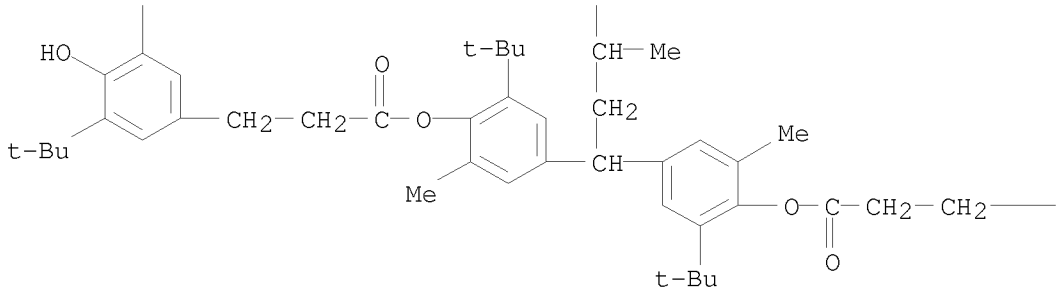
RN 180002-87-3 CAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

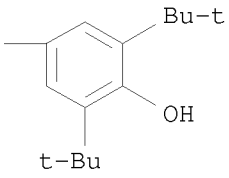
PAGE 1-A



PAGE 2-A

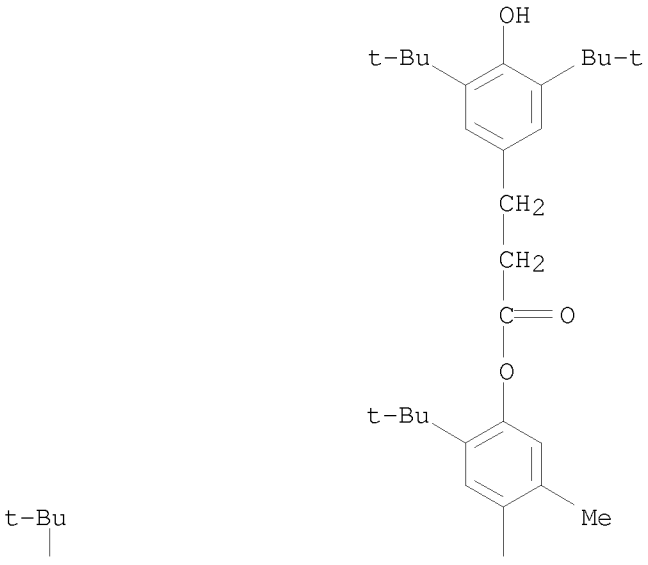


PAGE 2-B

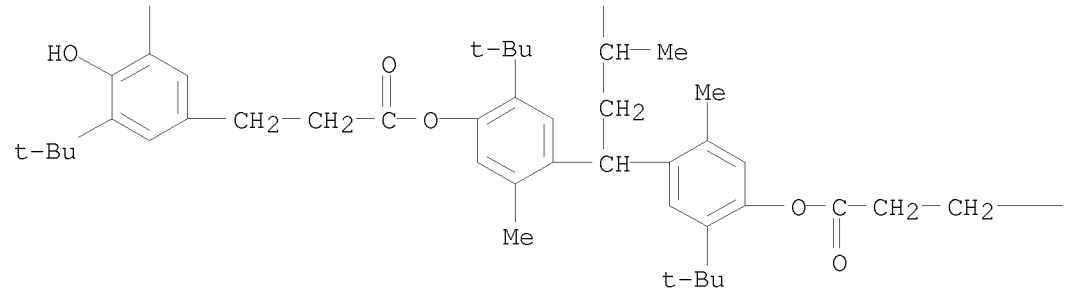


L45 ANSWER 26 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3 202331-18-8
202331-19-9
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(polyolefin compns. with good hot water resistance)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

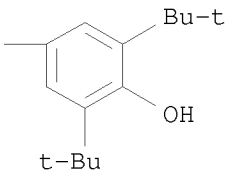
PAGE 1-A



PAGE 2-A

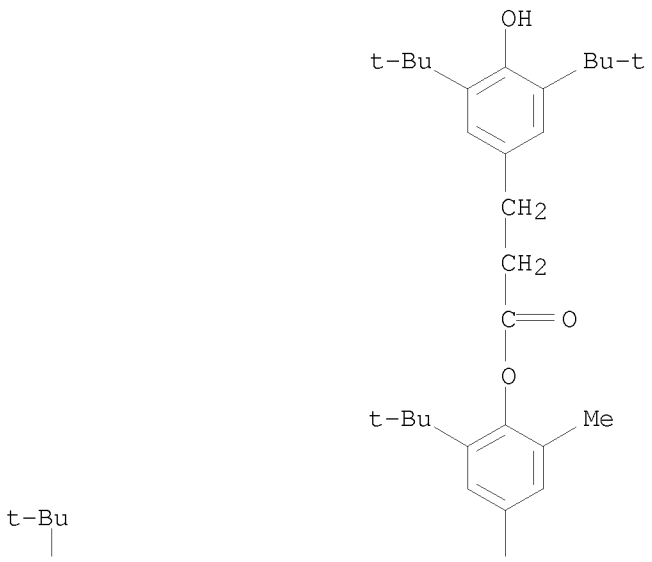


PAGE 2-B

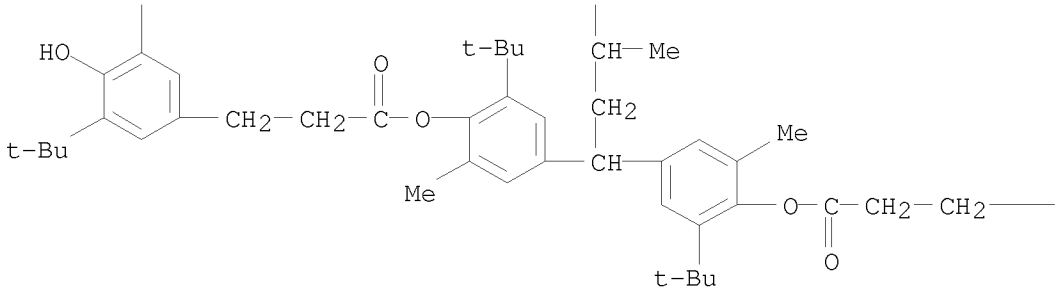


RN 180002-87-3 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

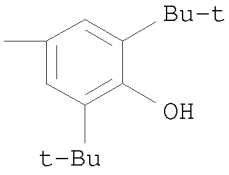
PAGE 1-A



PAGE 2-A



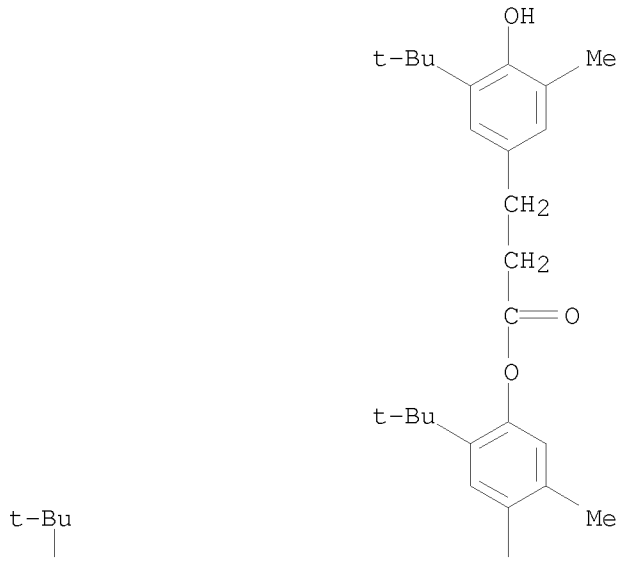
PAGE 2-B



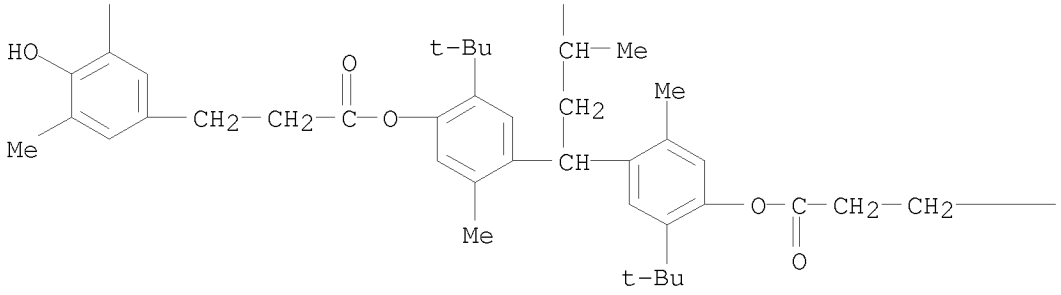
RN 202331-18-8 CAPLUS

CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

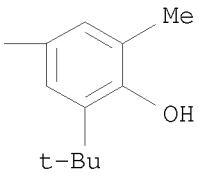
PAGE 1-A



PAGE 2-A

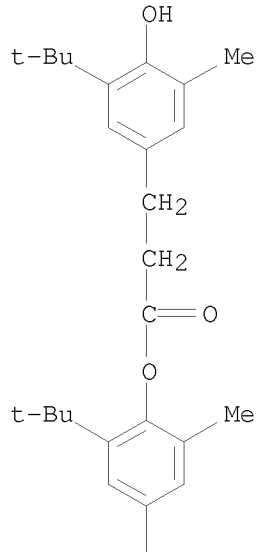


PAGE 2-B

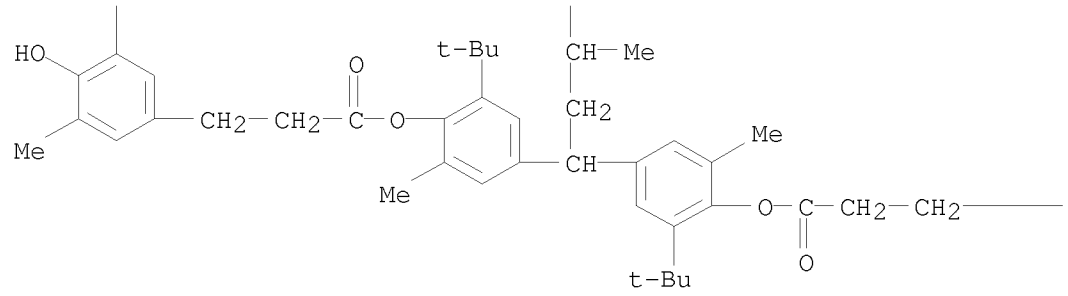


RN 202331-19-9 CAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

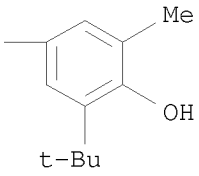
PAGE 1-A



PAGE 2-A

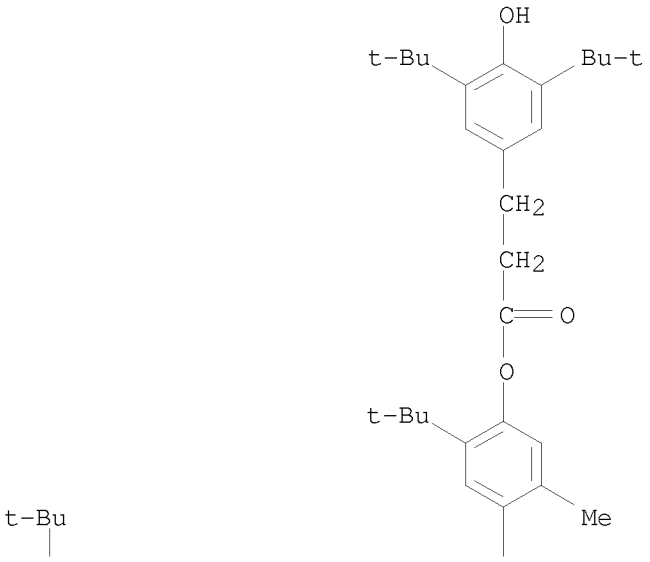


PAGE 2-B

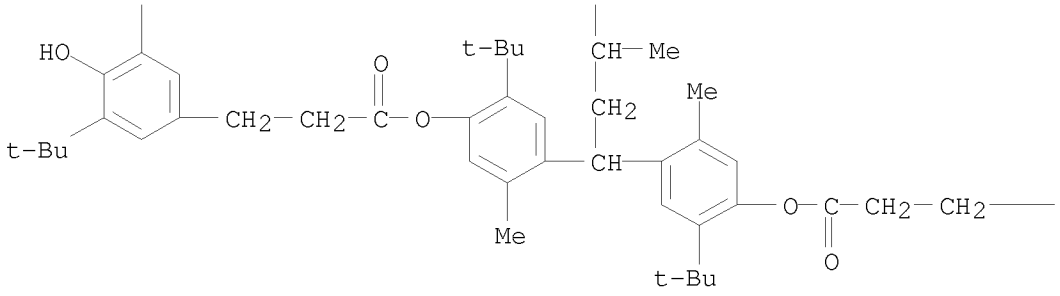


L45 ANSWER 27 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2
RL: MOA (Modifier or additive use); USES (Uses)
(antioxidants; polypropylene compns. containing hindered phenols with good durability for steel pipe coatings)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

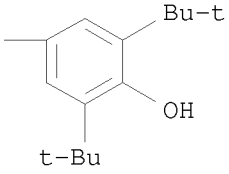
PAGE 1-A



PAGE 2-A

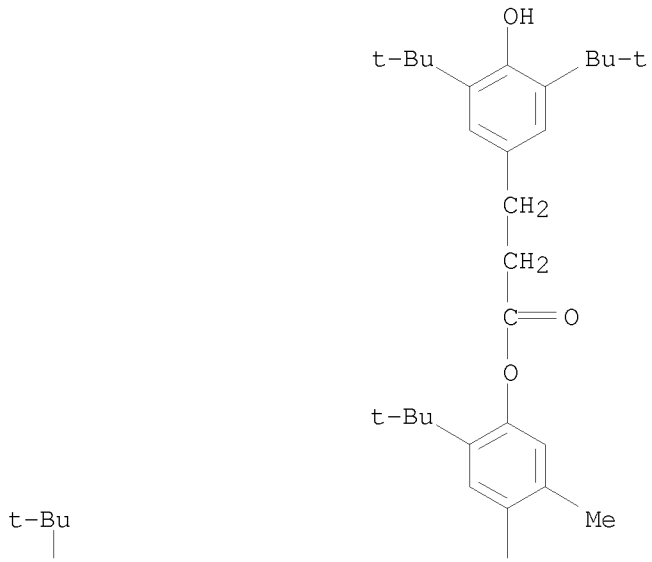


PAGE 2-B

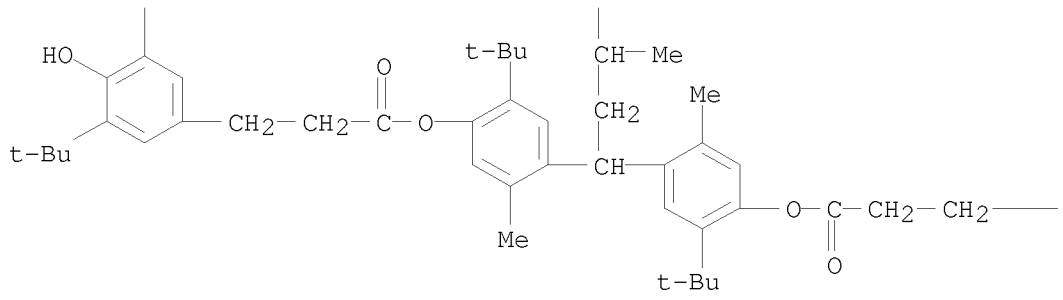


L45 ANSWER 28 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2 180002-87-3
RL: MOA (Modifier or additive use); USES (Uses)
(polyolefins containing hindered phenols as antioxidants for extrusion moldings)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

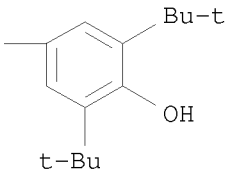
PAGE 1-A



PAGE 2-A

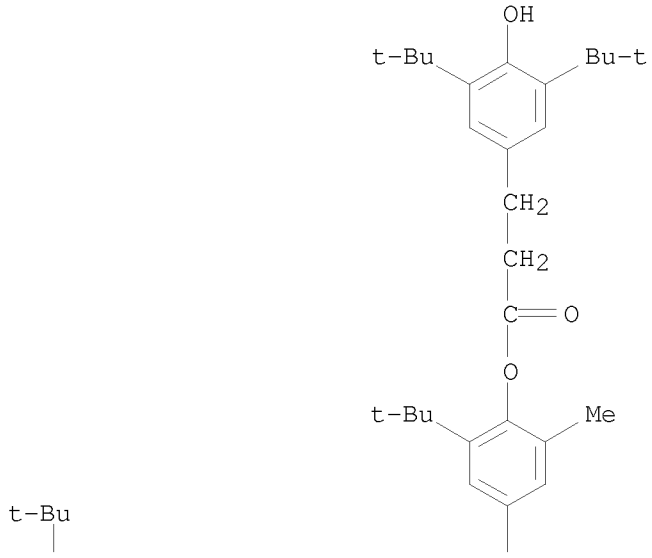


PAGE 2-B

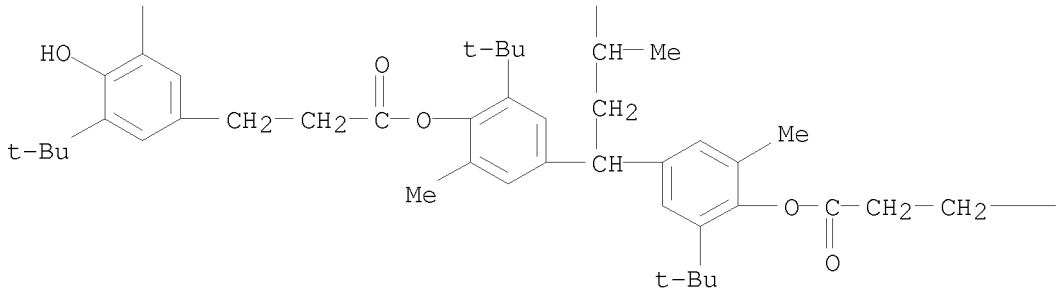


RN 180002-87-3 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

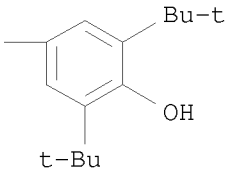
PAGE 1-A



PAGE 2-A

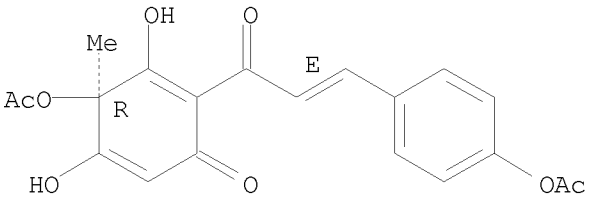


PAGE 2-B



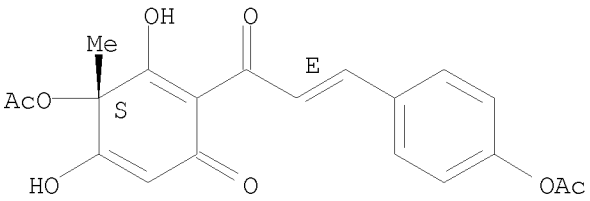
L45 ANSWER 29 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 182928-76-3P 182928-78-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of (+)- and (-)-model compds. and absolute configuration of carthamin)
RN 182928-76-3 CAPLUS
CN 2,5-Cyclohexadien-1-one, 4-(acetyloxy)-2-[3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-3,5-dihydroxy-4-methyl-, [R-(E)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



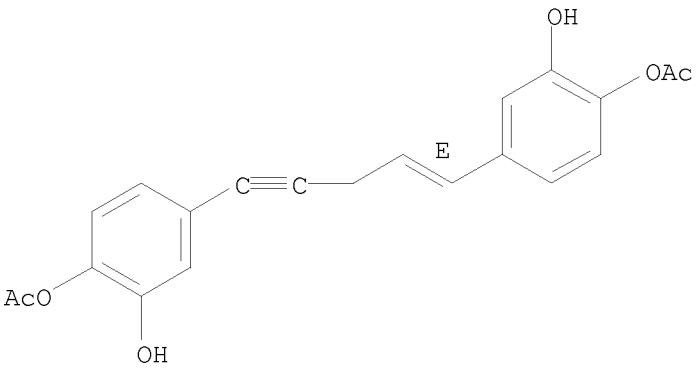
RN 182928-78-5 CAPLUS
CN 2,5-Cyclohexadien-1-one, 4-(acetyloxy)-2-[3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-3,5-dihydroxy-4-methyl-, [S-(E)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



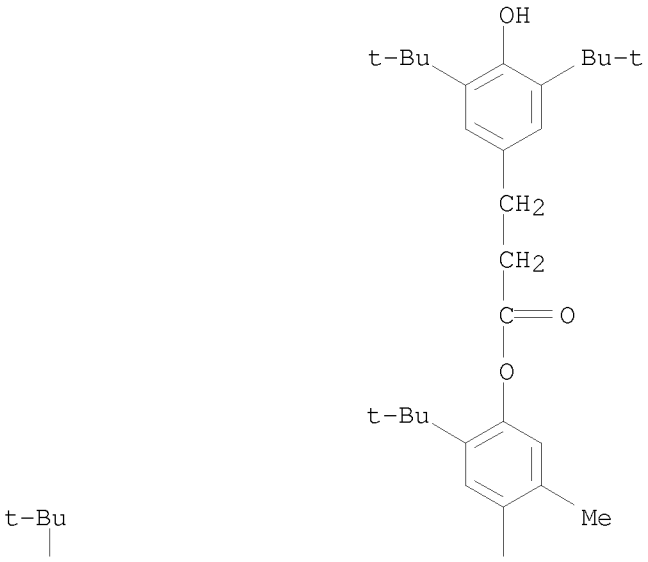
L45 ANSWER 30 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 174216-56-9
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(inhibition of cytokine production in human and rat macrophages by dicatechol rooperol and its esters)
RN 174216-56-9 CAPLUS
CN 1,2-Benzenediol, 4,4'-(1-penten-4-yne-1,5-diyl)bis-, 1,1'-diacetate, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L45 ANSWER 31 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 180002-86-2P 180002-87-3P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of phenolic compds. as antioxidants)
RN 180002-86-2 CAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-4,1-phenylene]] ester (CA INDEX NAME)

PAGE 1-A



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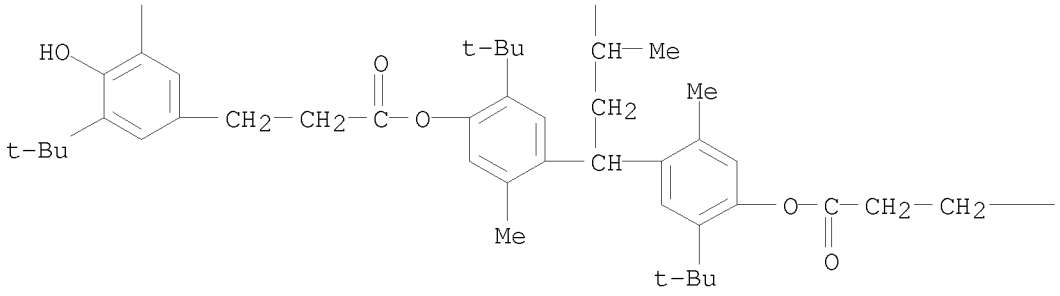

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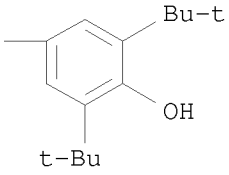
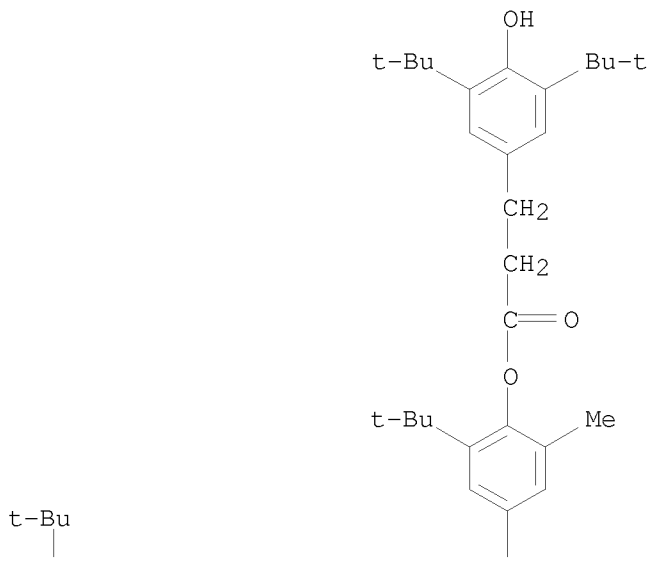


RN 180002-87-3 CAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-6-methyl-4,1-phenylene] ester (9CI) (CA INDEX NAME)

PAGE 1-A



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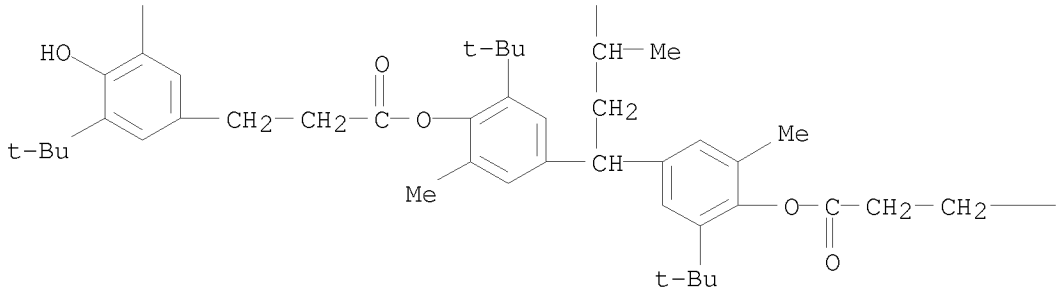
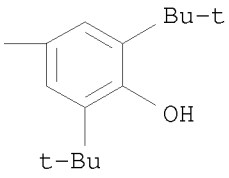
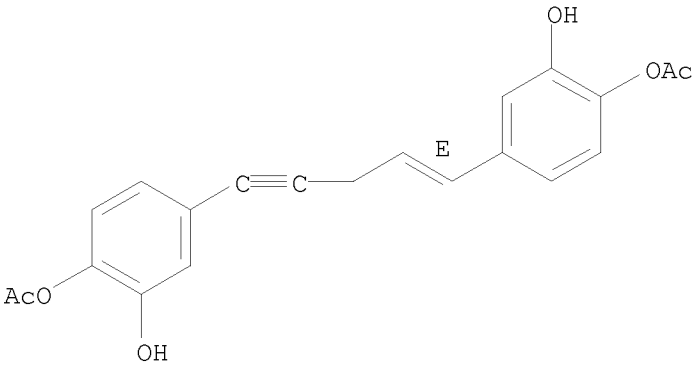




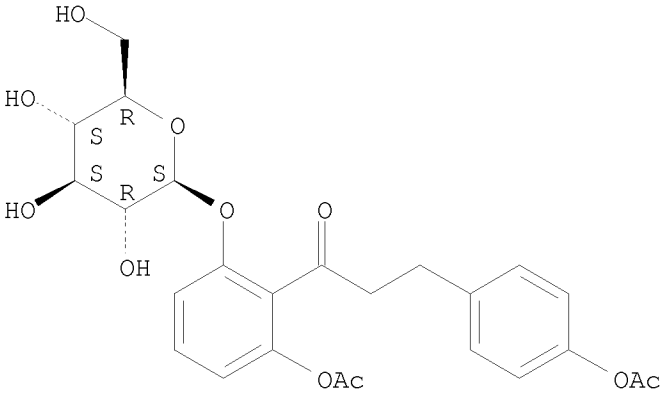
L45 ANSWER 32 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 174216-56-9P
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(rooperol and hypoxoside and their derivs. in treatment of inflammation)
RN 174216-56-9 CAPLUS
CN 1,2-Benzenediol, 4,4'-(1-penten-4-yne-1,5-diyl)bis-, 1,1'-diacetate, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



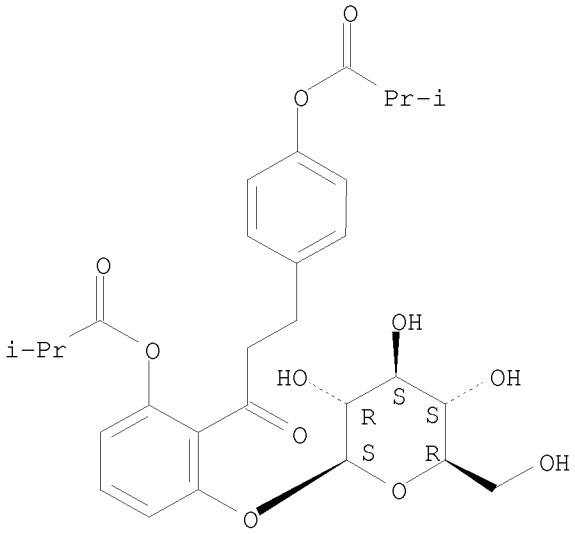
L45 ANSWER 33 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 156728-76-6P 156728-77-7P 156728-78-8P
156728-79-9P 156728-80-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of glucopyranosyldihydrochalcone derivs. as hypoglycemic agents)
RN 156728-76-6 CAPLUS
CN 1-Propanone, 1-[2-(acetyloxy)-6-(β-D-glucopyranosyloxy)phenyl]-3-[4-(acetyloxy)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



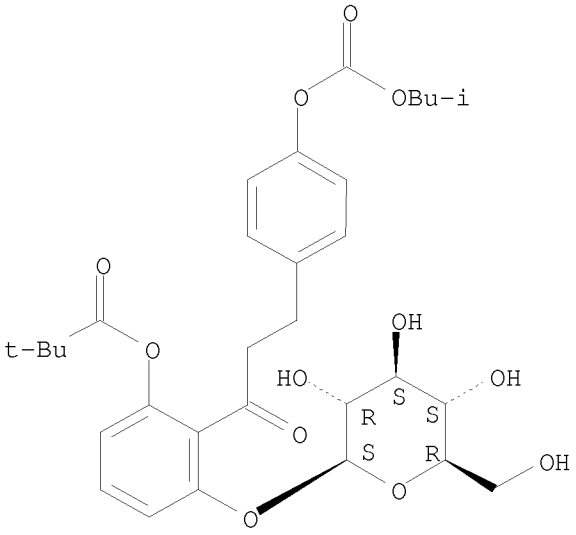
RN 156728-77-7 CAPLUS
CN Propanoic acid, 2-methyl-, 3-(β-D-glucopyranosyloxy)-2-[3-[4-(2-methyl-1-oxopropoxy)phenyl]-1-oxopropyl]phenyl ester (CA INDEX NAME)

Absolute stereochemistry.



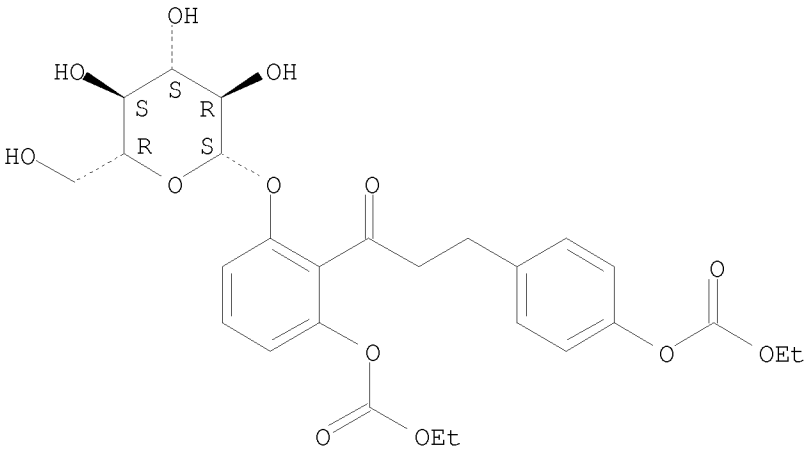
RN 156728-78-8 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, 3-(β-D-glucopyranosyloxy)-2-[3-[4-[[(2-methylpropoxy)carbonyl]oxy]phenyl]-1-oxopropyl]phenyl ester (CA INDEX NAME)

Absolute stereochemistry.



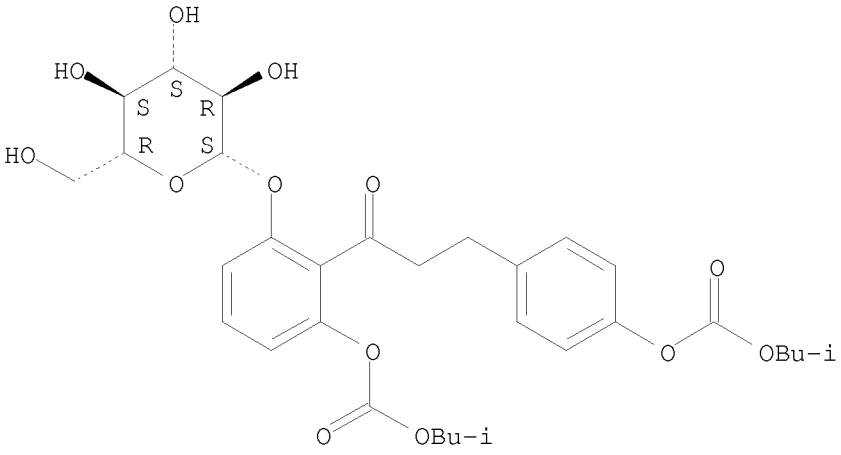
RN 156728-79-9 CAPLUS
CN Carbonic acid, 4-[3-[2-[(ethoxycarbonyl)oxy]-6-(β-D-glucopyranosyloxy)phenyl]-3-oxopropyl]phenyl ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



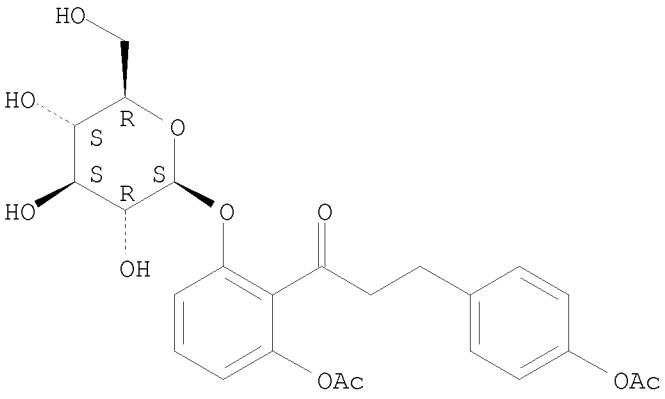
RN 156728-80-2 CAPLUS
CN Carbonic acid, 3-(β-D-glucopyranosyloxy)-2-[3-[4-[[(2-methylpropoxy)carbonyl]oxy]phenyl]-1-oxopropyl]phenyl 2-methylpropyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



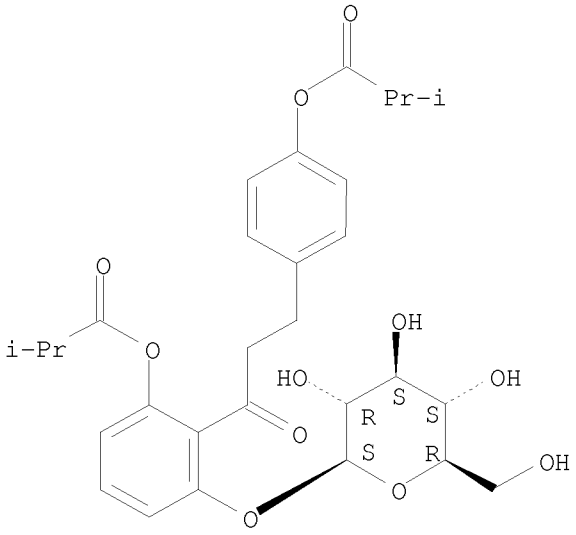
L45 ANSWER 34 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 156728-76-6P 156728-77-7P 156728-78-8P
156728-79-9P 156728-80-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as hypoglycemic)
RN 156728-76-6 CAPLUS
CN 1-Propanone, 1-[2-(acetyloxy)-6-(β-D-glucopyranosyloxy)phenyl]-3-[4-(acetyloxy)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



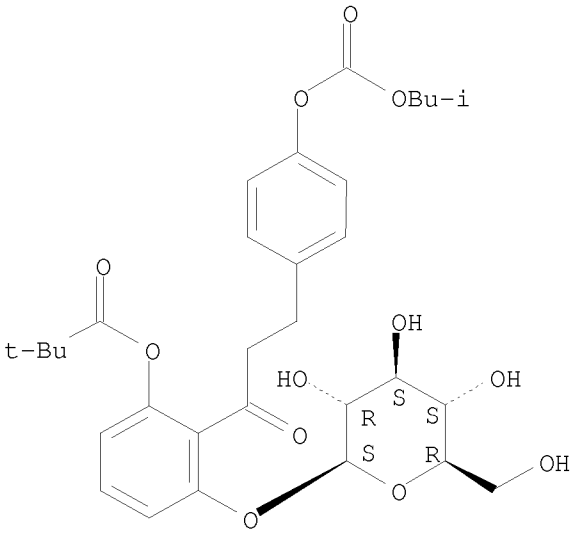
RN 156728-77-7 CAPLUS
CN Propanoic acid, 2-methyl-, 3-(β-D-glucopyranosyloxy)-2-[3-[4-(2-methyl-1-oxopropoxy)phenyl]-1-oxopropyl]phenyl ester (CA INDEX NAME)

Absolute stereochemistry.



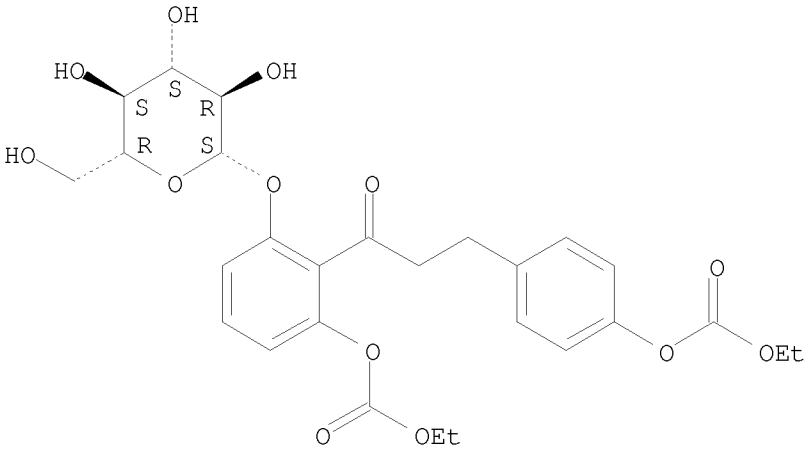
RN 156728-78-8 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, 3-(β-D-glucopyranosyloxy)-2-[3-[4-[[(2-methylpropoxy)carbonyl]oxy]phenyl]-1-oxopropyl]phenyl ester (CA INDEX NAME)

Absolute stereochemistry.



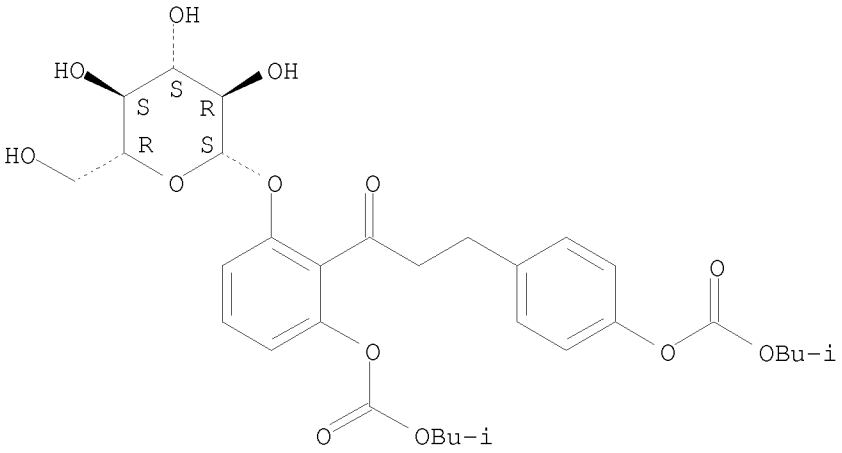
RN 156728-79-9 CAPLUS
CN Carbonic acid, 4-[3-[2-[(ethoxycarbonyl)oxy]-6-(β-D-glucopyranosyloxy)phenyl]-3-oxopropyl]phenyl ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

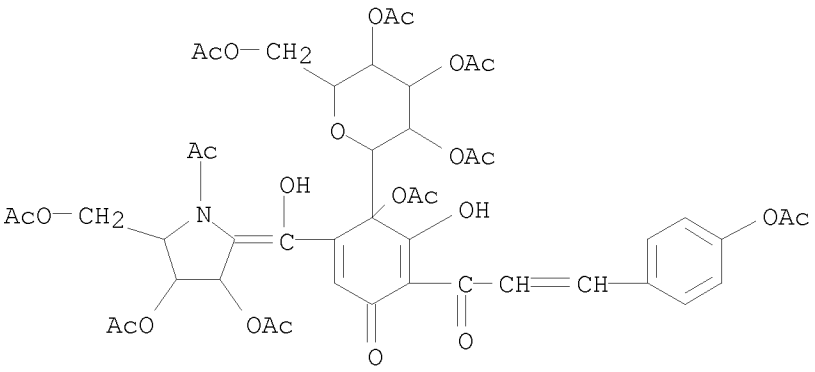


RN 156728-80-2 CAPLUS
CN Carbonic acid, 3-(β-D-glucopyranosyloxy)-2-[3-[4-[[(2-methylpropoxy)carbonyl]oxy]phenyl]-1-oxopropyl]phenyl 2-methylpropyl ester (9CI) (CA INDEX NAME)

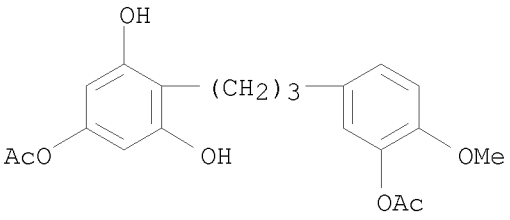
Absolute stereochemistry.



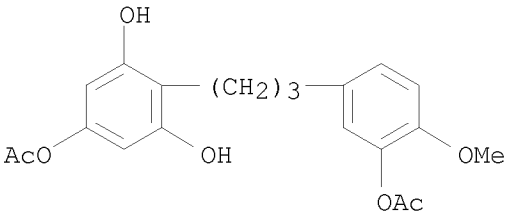
L45 ANSWER 35 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 149475-44-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 149475-44-5 CAPLUS
CN 3,4-Pyrrolidinediol, 1-acetyl-2-[[6-(acetyloxy)-4-[3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-5-hydroxy-3-oxo-6-(2,3,4,6-tetra-O-acetyl-β-D-glucopyranosyl)-1,4-cyclohexadien-1-yl]hydroxymethylene]-5-[(acetyloxy)methyl]-, 3,4-diacetate (9CI) (CA INDEX NAME)



L45 ANSWER 36 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 128373-97-7
RL: PRP (Properties)
(cytotoxicity of, in L1210 cells)
RN 128373-97-7 CAPLUS
CN 1,3,5-Benzenetriol, 2-[3-[3-(acetyloxy)-4-methoxyphenyl]propyl]-, 5-acetate (CA INDEX NAME)

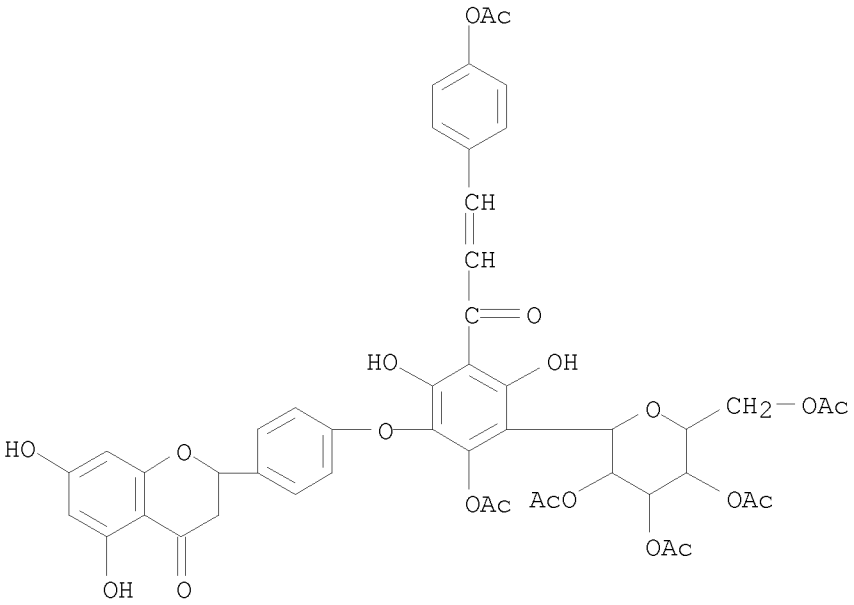


L45 ANSWER 37 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 128373-97-7P
RL: FORM (Formation, nonpreparative); PREP (Preparation)
(formation of, by reduction of flavanone with cyanoborohydride in trifluoroacetic acid)
RN 128373-97-7 CAPLUS
CN 1,3,5-Benzenetriol, 2-[3-[3-(acetyloxy)-4-methoxyphenyl]propyl]-, 5-acetate (CA INDEX NAME)



L45 ANSWER 38 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 77782-94-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 77782-94-6 CAPLUS
CN 4H-1-Benzopyran-4-one, 2-[4-[2-(acetyloxy)-5-[3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-4,6-dihydroxy-3-(2,3,4,6-tetra-O-acetyl-β-D-glucopyranosyl)phenoxy]phenyl]-2,3-dihydro-5,7-dihydroxy-, [S-(E)]- (9CI) (CA INDEX NAME)



L45 ANSWER 39 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 62605-86-1
RL: MOA (Modifier or additive use); USES (Uses)
(heat stabilizers, containing thiodipropionic acid esters, for polymers)
RN 62605-86-1 CAPLUS
CN Carbonic acid, 4-[3,3-bis[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-methylpropyl]-2-(1,1-dimethylethyl)-5-methylphenyl 4-[3-[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenyl ester (9CI) (CA INDEX NAME)

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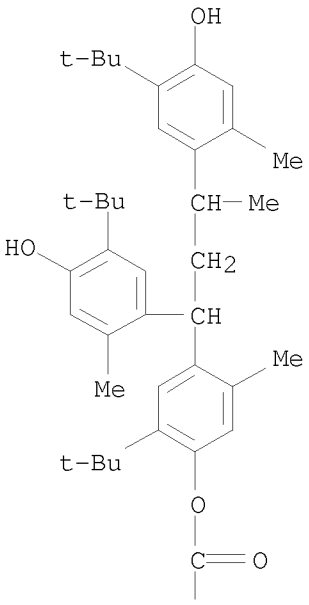

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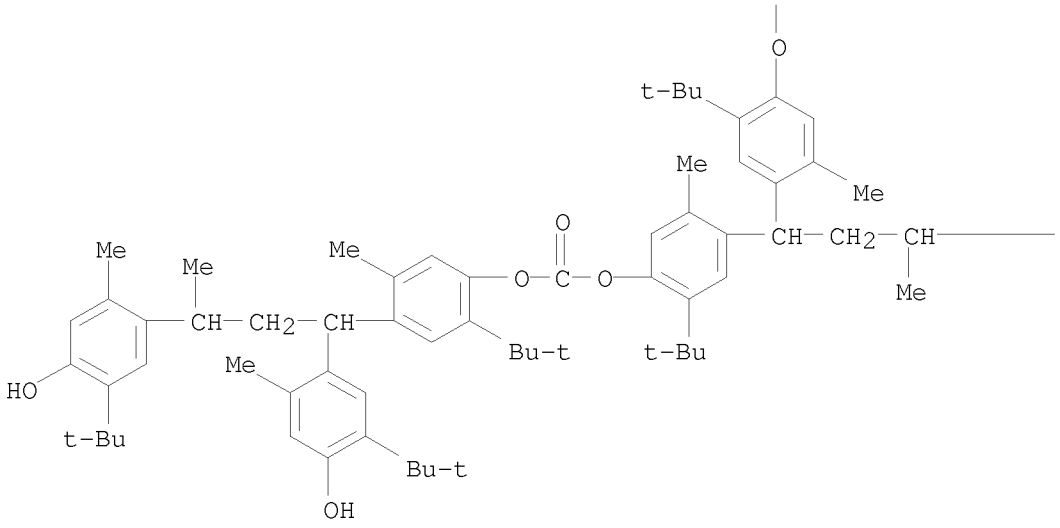

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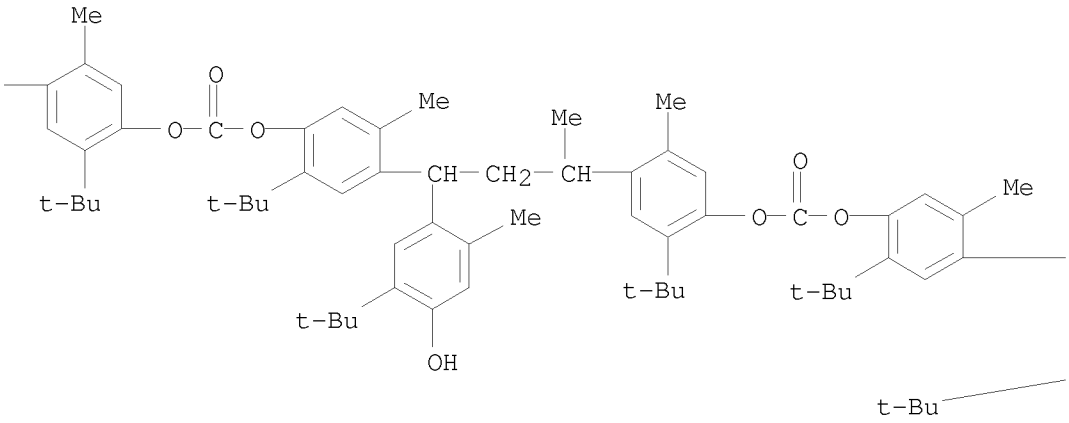

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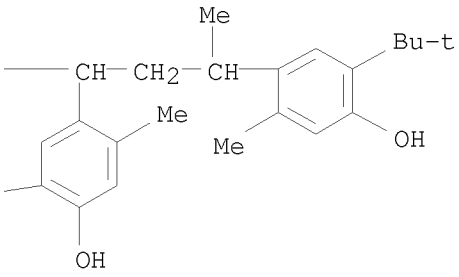
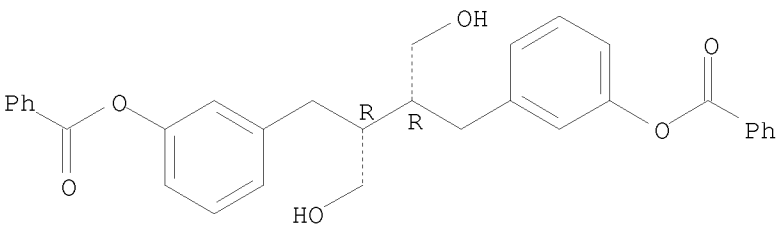


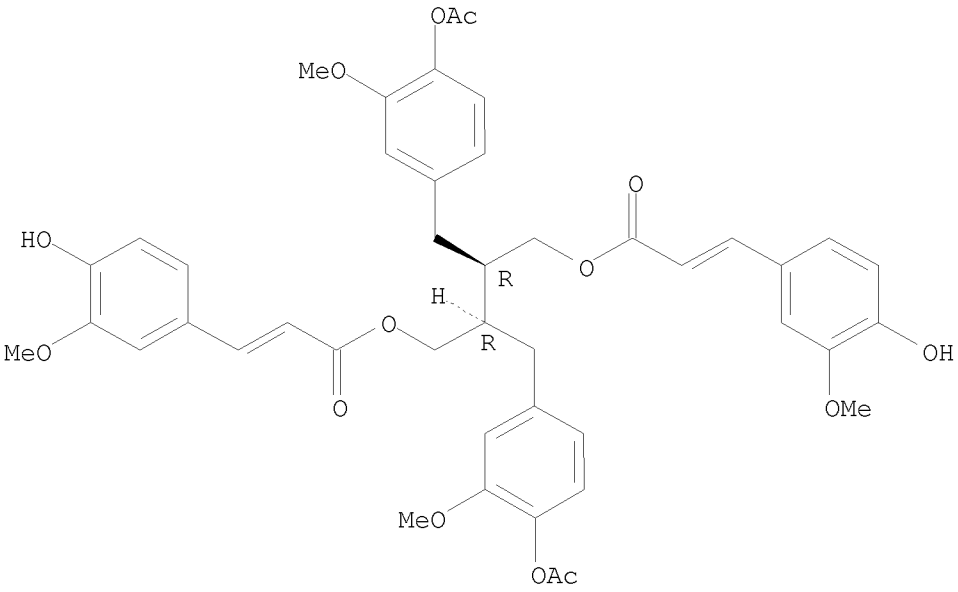
L45 ANSWER 40 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 81436-91-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 81436-91-1 CAPLUS
CN 1,4-Butanediol, 2,3-bis[[3-(benzoyloxy)phenyl]methyl]-, (R*,R*)- (9CI)
(CA INDEX NAME)

Relative stereochemistry.

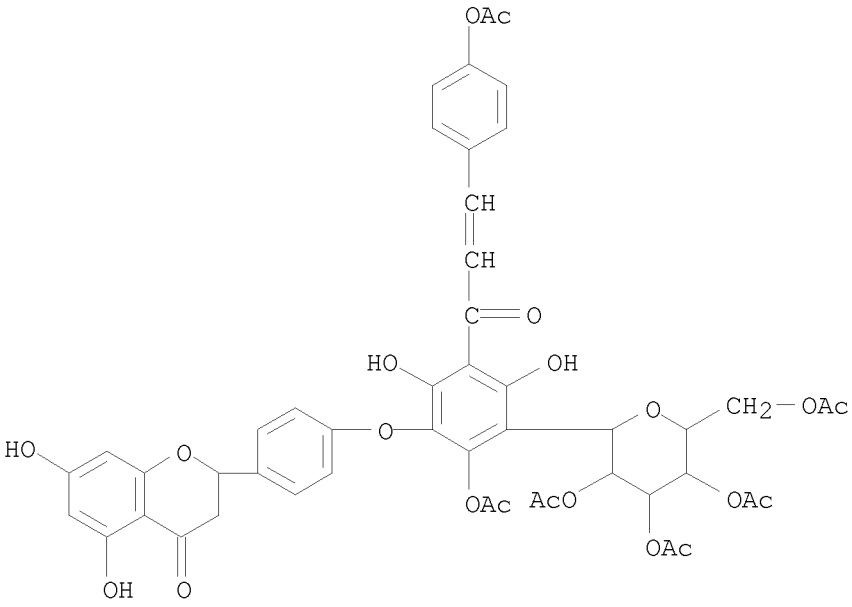


L45 ANSWER 41 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 79055-13-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrolysis of)
RN 79055-13-3 CAPLUS
CN 2-Propenoic acid, 3-(4-hydroxy-3-methoxyphenyl)-, 2,3-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]-1,4-butanediyl ester, [R-(R*,R*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



L45 ANSWER 42 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 77782-94-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 77782-94-6 CAPLUS
CN 4H-1-Benzopyran-4-one, 2-[4-[2-(acetyloxy)-5-[3-[4-(acetyloxy)phenyl]-1-oxo-2-propenyl]-4,6-dihydroxy-3-(2,3,4,6-tetra-O-acetyl-β-D-glucopyranosyl)phenoxy]phenyl]-2,3-dihydro-5,7-dihydroxy-, [S-(E)]- (9CI) (CA INDEX NAME)



L45 ANSWER 43 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 62605-86-1
RL: USES (Uses)
(heat stabilizers containing, for thermoplastics)
RN 62605-86-1 CAPLUS
CN Carbonic acid, 4-[3,3-bis[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-methylpropyl]-2-(1,1-dimethylethyl)-5-methylphenyl 4-[3-[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenyl ester (9CI) (CA INDEX NAME)

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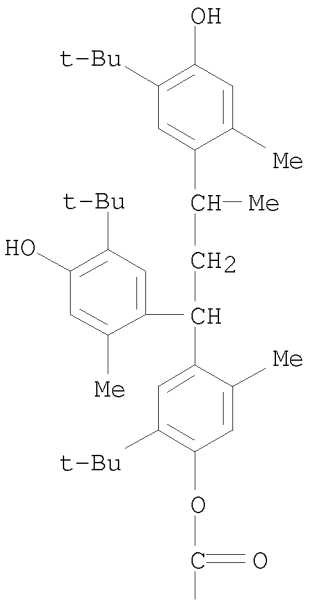

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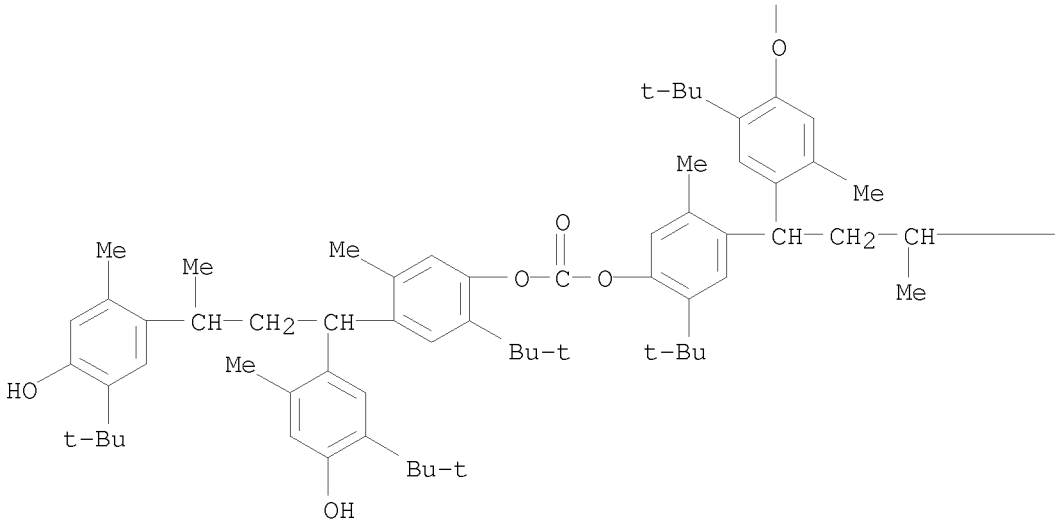

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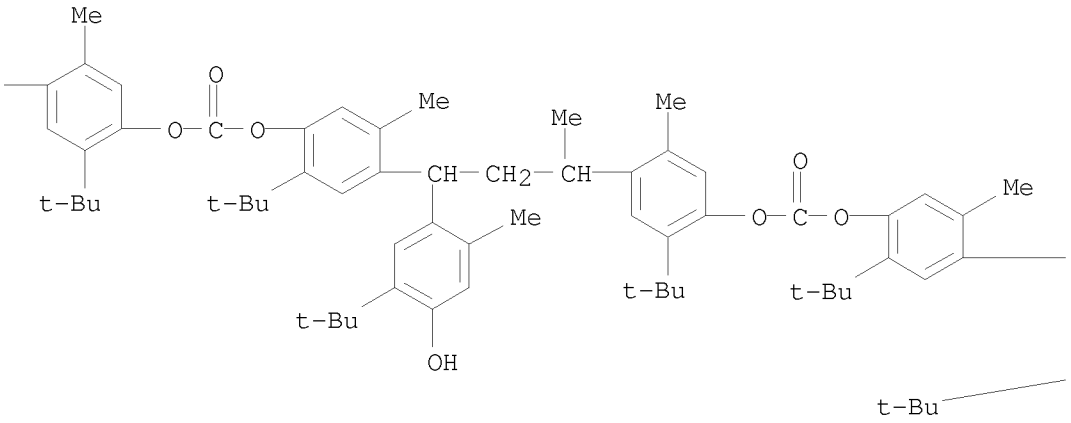

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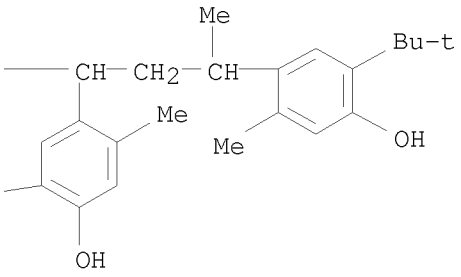

L45 ANSWER 44 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 62605-86-1
RL: MOA (Modifier or additive use); USES (Uses)
(heat stabilizers, containing thiodipropionic acid polyesters, for polymers)
RN 62605-86-1 CAPLUS
CN Carbonic acid, 4-[3,3-bis[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-methylpropyl]-2-(1,1-

dimethylethyl)-5-methylphenyl 4-[3-[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenyl ester (9CI) (CA INDEX NAME)

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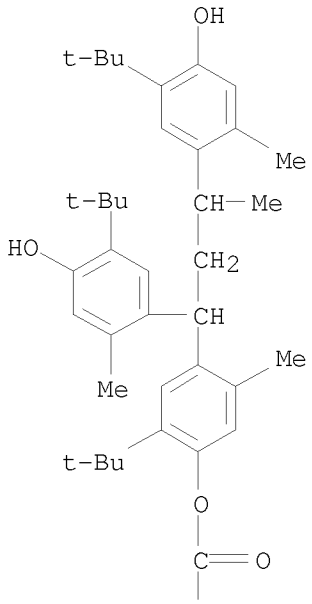

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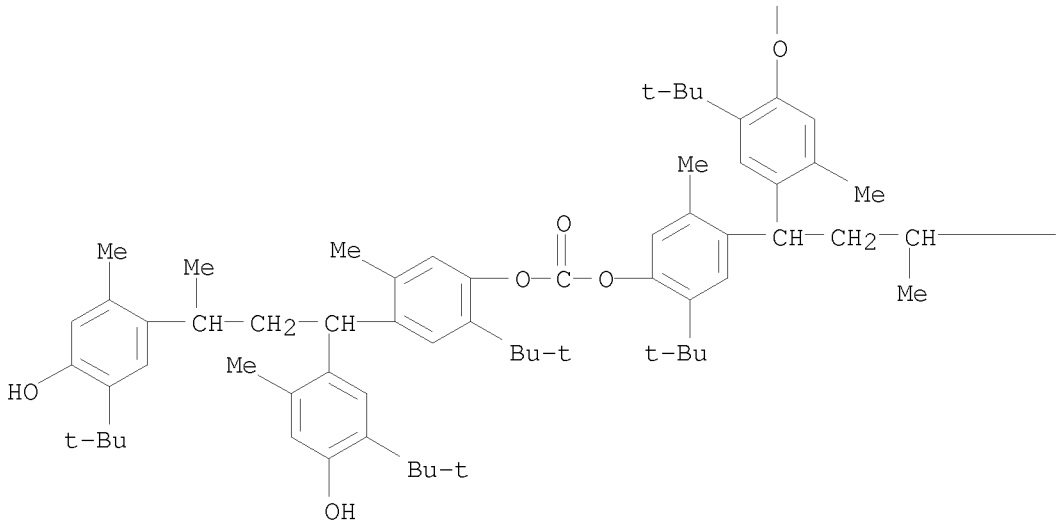
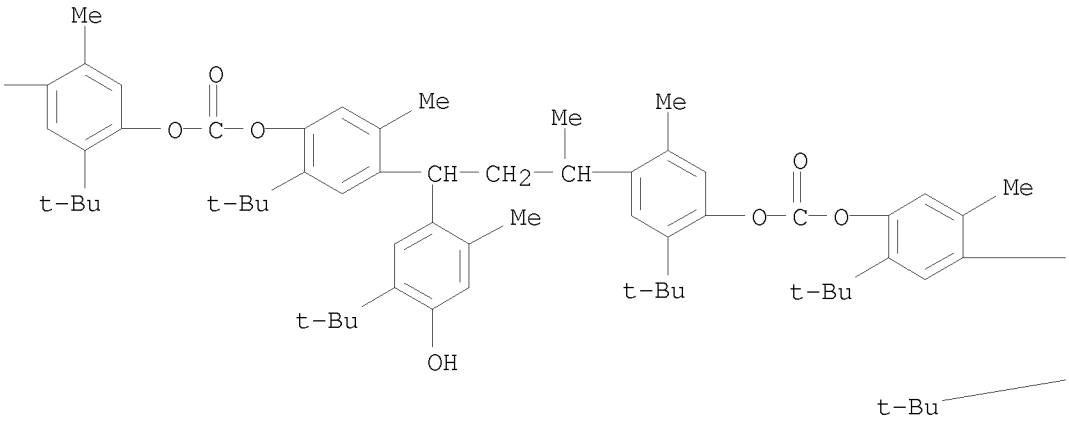
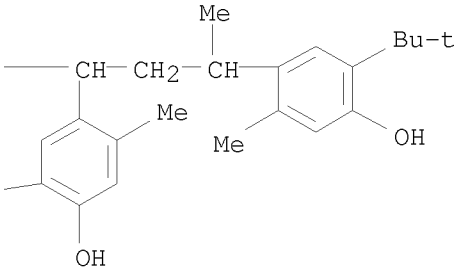


PAGE 2-B



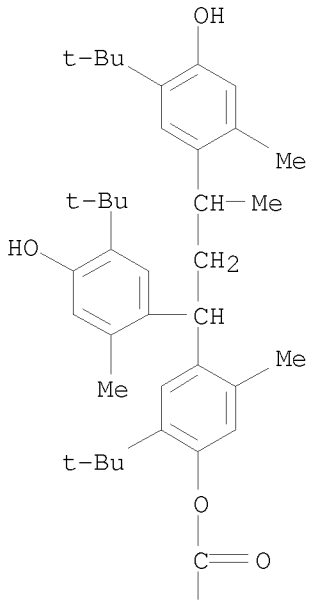
PAGE 2-C



L45 ANSWER 45 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 62605-86-1
RL: USES (Uses)
(heat and light stabilizers, with piperidine derivs., for thermoplastic resins)
RN 62605-86-1 CAPLUS
CN Carbonic acid, 4-[3,3-bis[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-methylpropyl]-2-(1,1-

dimethylethyl)-5-methylphenyl 4-[3-[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



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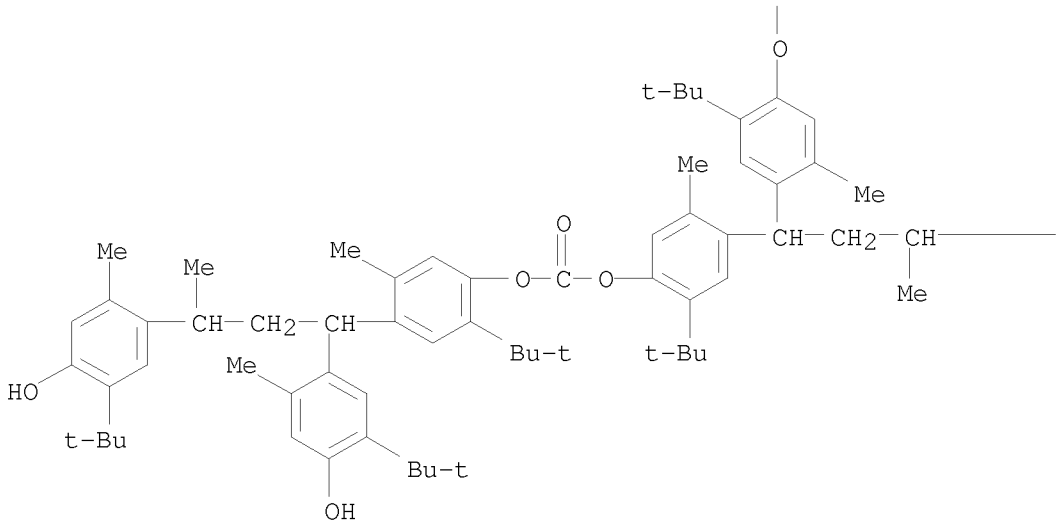

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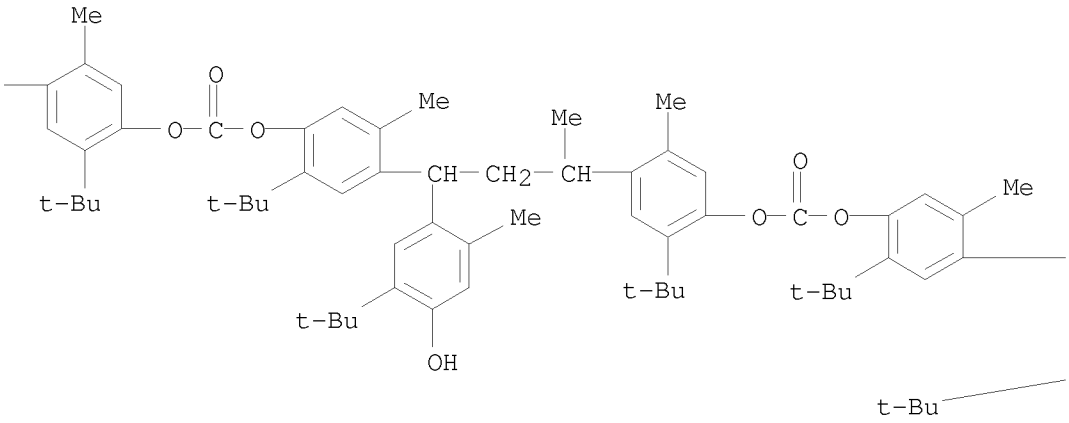

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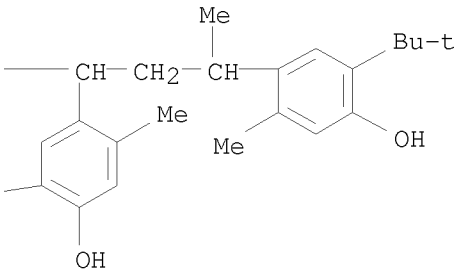
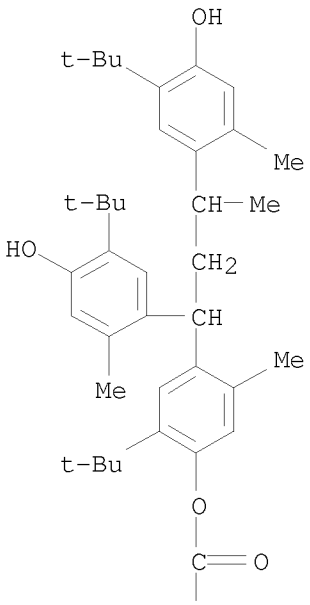


L45 ANSWER 46 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 62605-86-1
RL: USES (Uses)
(antioxidants, for thermoplastic resins)
RN 62605-86-1 CAPLUS
CN Carbonic acid, 4-[3,3-bis[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-methylpropyl]-2-(1,1-dimethylethyl)-5-methylphenyl 4-[3-[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-

4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



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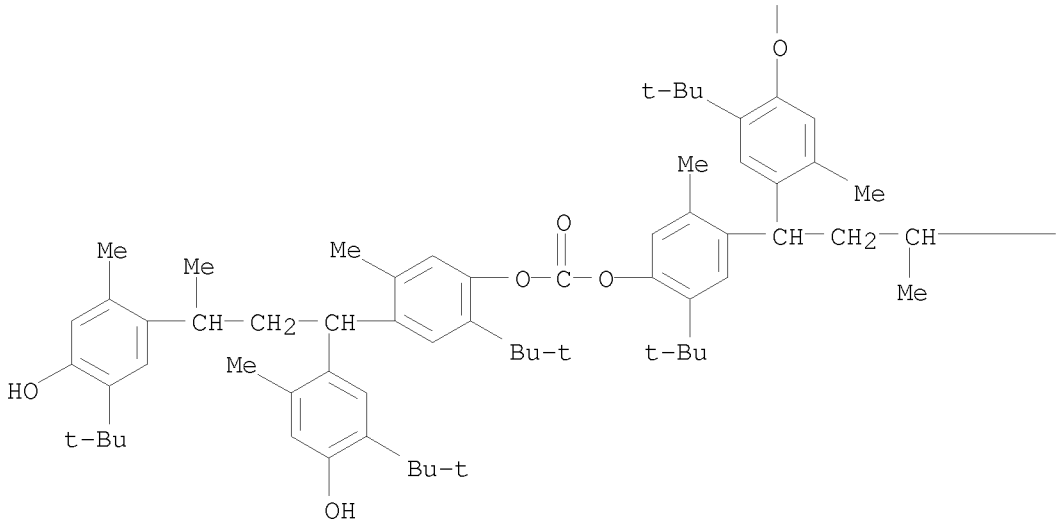

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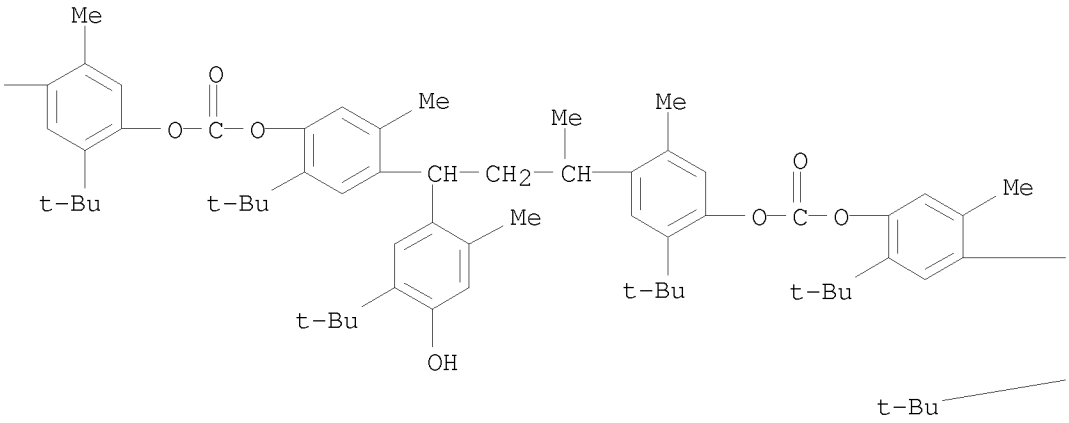

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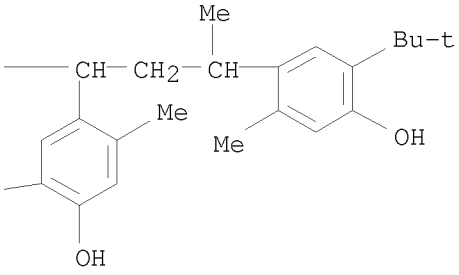
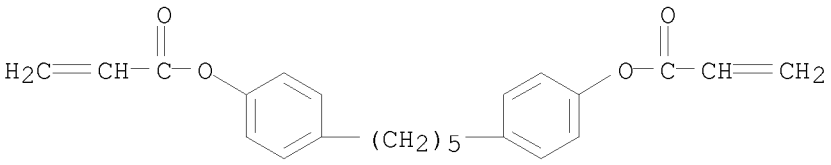


L45 ANSWER 47 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 63728-13-2
RL: USES (Uses)
(coatings, on photog. film supports, temperature adjustment in control of)
RN 63728-13-2 CAPLUS
CN Nonanedioic acid, polymer with 4,4'-(1,5-pentanediyl)bis[phenol] and 1,5-pentanediyldi-4,1-phenylene di-2-propenoate (9CI) (CA INDEX NAME)

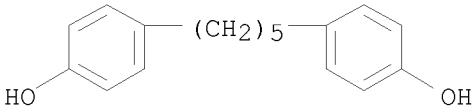
CM 1

CRN 61469-14-5
CMF C23 H24 O4



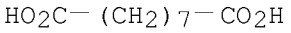
CM 2

CRN 10365-62-5
CMF C17 H20 O2



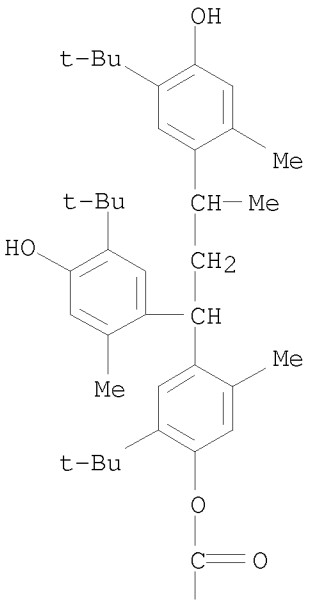
CM 3

CRN 123-99-9
CMF C9 H16 O4

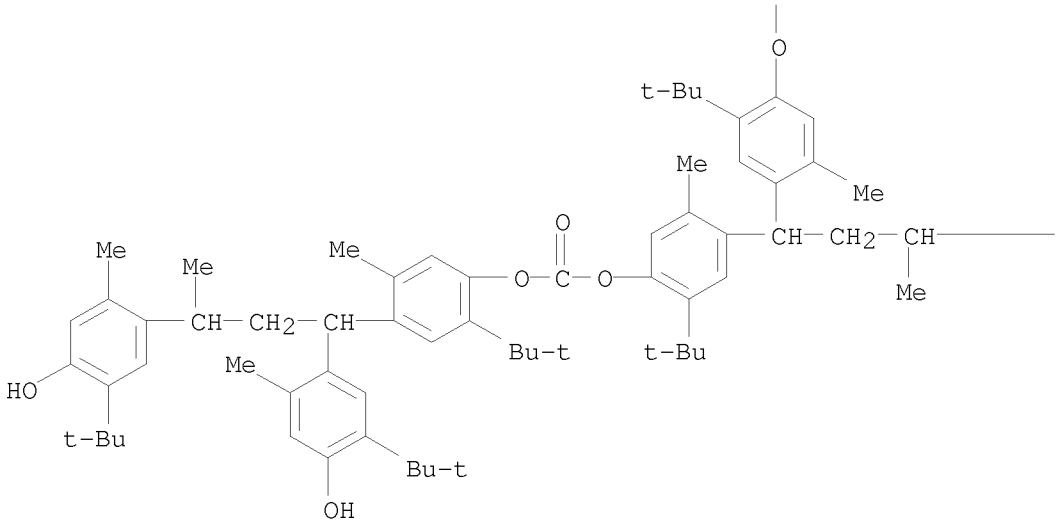


L45 ANSWER 48 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 62605-86-1
RL: MOA (Modifier or additive use); USES (Uses)
(heat stabilizers, containing phosphites, for polymers)
RN 62605-86-1 CAPLUS
CN Carbonic acid, 4-[3,3-bis[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-methylpropyl]-2-(1,1-dimethylethyl)-5-methylphenyl 4-[3-[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



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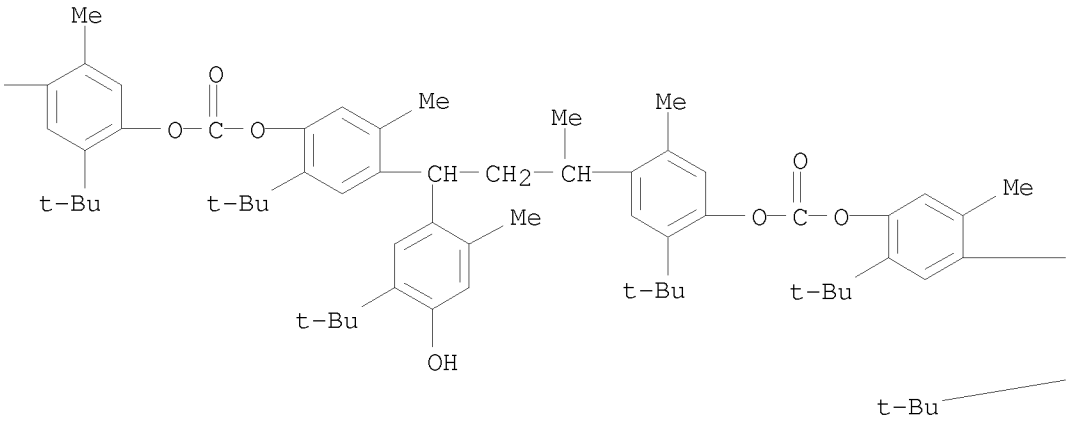

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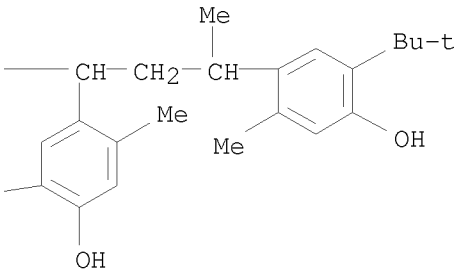
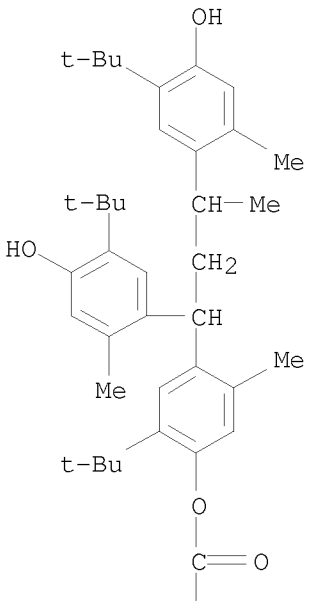


L45 ANSWER 49 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 62605-86-1
RL: USES (Uses)
(antioxidants, for polymers)
RN 62605-86-1 CAPLUS
CN Carbonic acid, 4-[3,3-bis[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-methylpropyl]-2-(1,1-dimethylethyl)-5-methylphenyl 4-[3-[4-[[[4-[1,3-bis[5-(1,1-dimethylethyl)-

4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenoxy]carbonyl]oxy]-5-(1,1-dimethylethyl)-2-methylphenyl]-1-[5-(1,1-dimethylethyl)-4-hydroxy-2-methylphenyl]butyl]-2-(1,1-dimethylethyl)-5-methylphenyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



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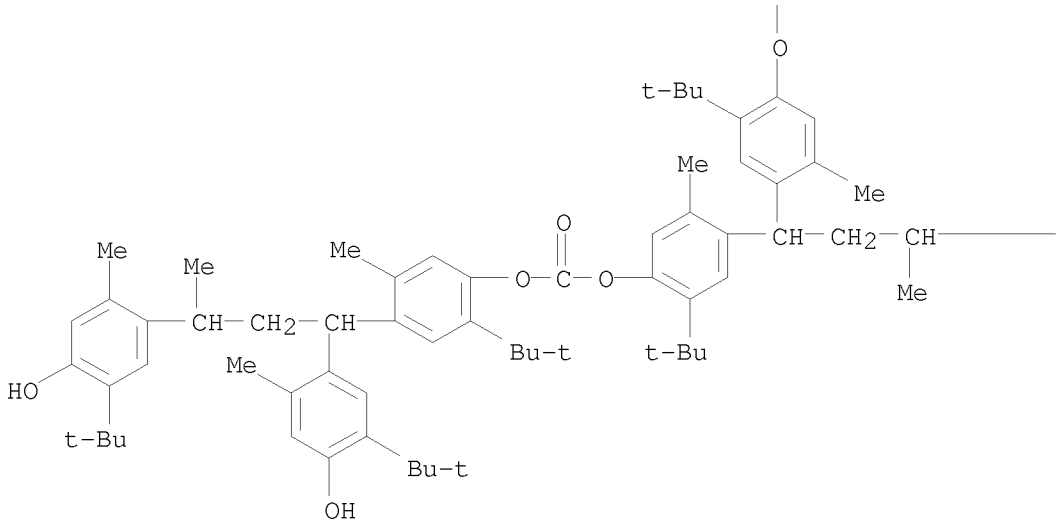

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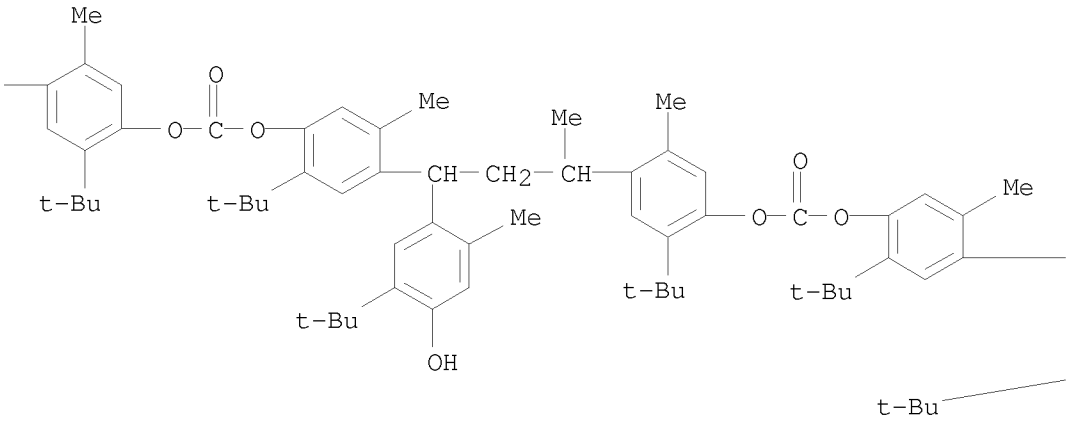

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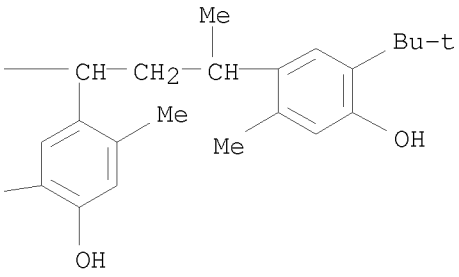
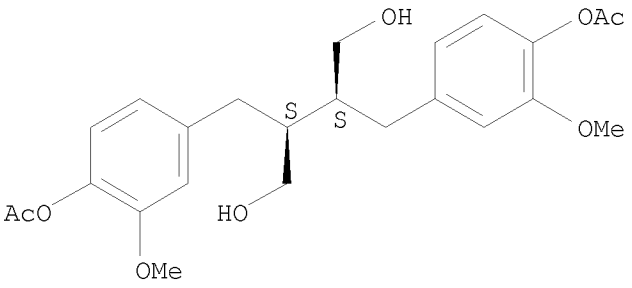
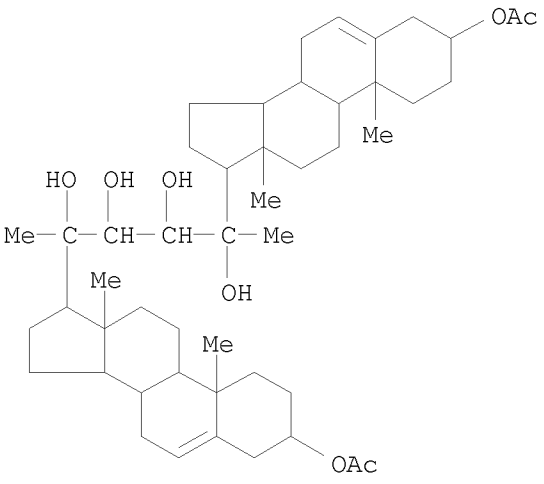


L45 ANSWER 50 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 62716-34-1P
RL: FORM (Formation, nonpreparative); PREP (Preparation)
(formation of, in hydrolysis of secoisolariciresinol diester)
RN 62716-34-1 CAPLUS
CN 1,4-Butanediol, 2,3-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]-, (R*,R*)-(9CI) (CA INDEX NAME)

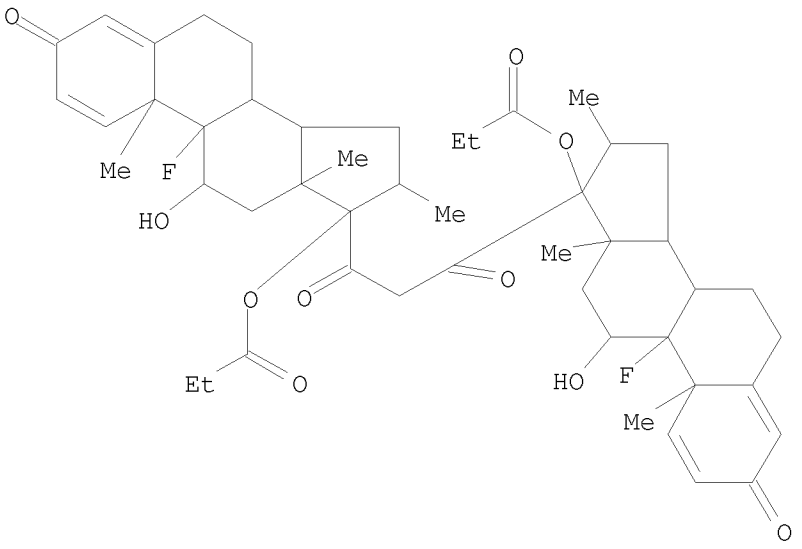
Relative stereochemistry.



L45 ANSWER 51 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 61241-77-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 61241-77-8 CAPLUS
CN 26,27-Dinorcholest-5-ene-3,20,22,23,24-pentol, 24-[(3β,17β)-3-(acetyloxy)androst-5-en-17-yl]-, (3β,20ξ)- (9CI) (CA INDEX NAME)

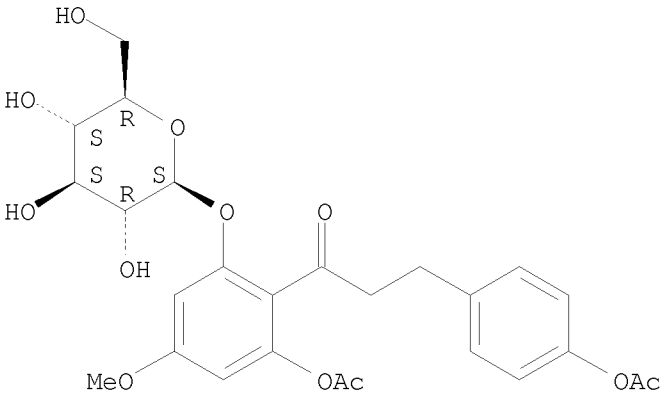


L45 ANSWER 52 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 52625-29-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 52625-29-3 CAPLUS
CN Pregna-1,4-diene-3,20-dione, 9-fluoro-21-[[(11β,16β,17α)-9-fluoro-11-hydroxy-16-methyl-3-oxo-17-(1-oxopropoxy)androsta-1,4-dien-17-yl]carbonyl]-11-hydroxy-16-methyl-3-oxo-17-(1-oxopropoxy)-, (11β,16β)- (9CI) (CA INDEX NAME)

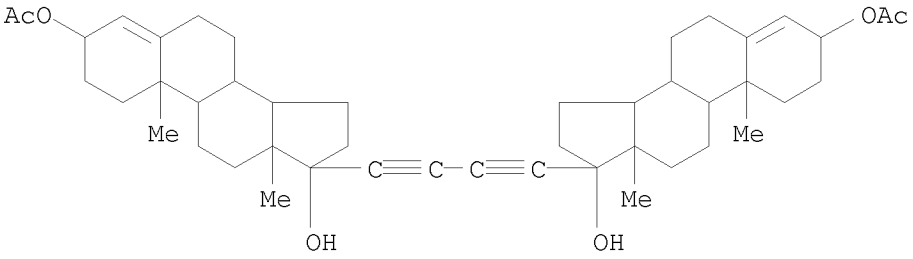


L45 ANSWER 53 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 43116-70-7
RL: BIOL (Biological study)
(ATPase inhibition by)
RN 43116-70-7 CAPLUS
CN 1-Propanone, 1-[2-(acetyloxy)-6-(β-D-glucopyranosyloxy)-4-methoxyphenyl]-3-[4-(acetyloxy)phenyl]- (CA INDEX NAME)

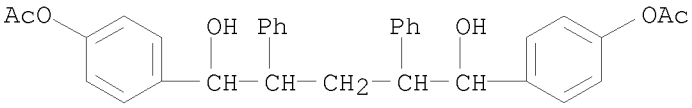
Absolute stereochemistry.



L45 ANSWER 54 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 97085-10-4P, [21,21'-Bi-17α-pregn-4-en-20-yne]-3β,3'β, 17,17'-tetrol, 3,3'-diacetate
RL: PREP (Preparation)
(preparation of)
RN 97085-10-4 CAPLUS
CN [21,21'-Bi-17α-pregn-4-en-20-yne]-3β,3'β,17,17'-tetrol, 3,3'-diacetate (7CI) (CA INDEX NAME)



L45 ANSWER 55 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
IT 860544-27-0P, 1,5-Pentanediol, 1,5-bis(p-hydroxyphenyl)-2,4-diphenyl-, p,p'-diacetate
RL: PREP (Preparation)
(preparation of)
RN 860544-27-0 CAPLUS
CN 1,5-Pentanediol, 1,5-bis(p-hydroxyphenyl)-2,4-diphenyl-, p,p'-diacetate (4CI) (CA INDEX NAME)



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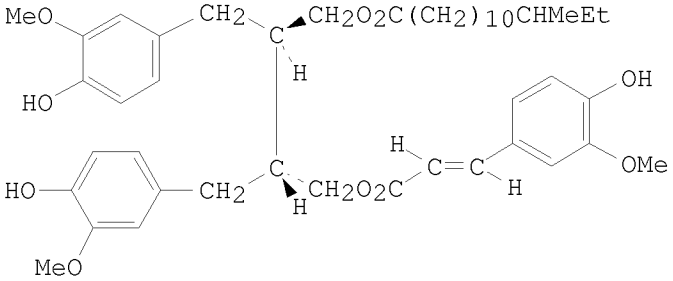
L45 ANSWER 50 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1977:171037 CAPLUS
DN 86:171037
OREF 86:26853a
TI Structure of a secoisolariciresinol diester from Salvia plebeia seed
AU Powell, Richard G.; Plattner, Ronald D.
CS NRRC, ARS, Peoria, IL, USA
SO Phytochemistry (Elsevier) (1976), 15(12), 1963-5
CODEN: PYTCAS; ISSN: 0031-9422
DT Journal
LA English
GI



I

10521761

AB The secoisolariciresinol diester I was isolated from S. plebeia and its structure determined on the basis of its IR, NMR, and mass spectra and those of its acetylation and hydrolysis derivs.

=> d his

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L6 1 L3 AND C6-C6/ES
L7 STR
L8 29 L7
L9 SCR 1839
L10 29 L7 AND L9
L11 STR L7
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L27 4 L26 AND L22 AND L23 SAM SUB=L18
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L29 STR L7
L30 2 L29
L31 STR L29
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=> s l35
L46           55 L35

=> d bib abs hitstr 50

L46  ANSWER 50 OF 55  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   1977:171037  CAPLUS
DN   86:171037
OREF 86:26853a
TI   Structure of a secoisolariciresinol diester from Salvia plebeia seed
AU   Powell, Richard G.; Plattner, Ronald D.
CS   NRRC, ARS, Peoria, IL, USA
SO   Phytochemistry (Elsevier) (1976), 15(12), 1963-5
     CODEN: PYTCAS; ISSN: 0031-9422
DT   Journal
LA   English
GI
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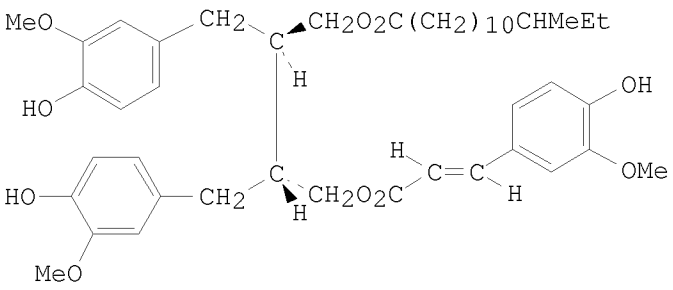
10521761



I

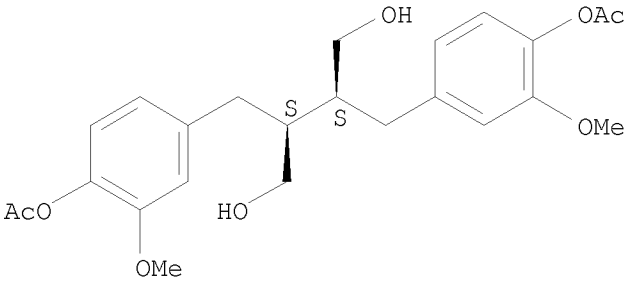
AB The secoisolariciresinol diester I was isolated from S. plebeia and its structure determined on the basis of its IR, NMR, and mass spectra and those of its acetylation and hydrolysis derivs.

IT 62716-34-1P
RL: FORM (Formation, nonpreparative); PREP (Preparation)
(formation of, in hydrolysis of secoisolariciresinol diester)

RN 62716-34-1 CAPLUS

CN 1,4-Butanediol, 2,3-bis[[4-(acetyloxy)-3-methoxyphenyl]methyl]-, (R*,R*)-(9CI) (CA INDEX NAME)

Relative stereochemistry.



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L46 ANSWER 40 OF 55 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1982:162321 CAPLUS

DN 96:162321

OREF 96:26710h,26711a

TI 2,3-Bis(hydroxybenzyl) derivatives

IN Groen, Marinus Bernard

PA AKZO N. V. , Neth.

SO Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 43150	A1	19820106	EP 1981-200622	19810605
	R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	ZA 8103951	A	19820630	ZA 1981-3951	19810611
	US 4343796	A	19820810	US 1981-272727	19810611

	DK 8102677	A	19811225	DK 1981-2677	19810618
	AU 8172032	A	19820107	AU 1981-72032	19810622
	FI 8101967	A	19811225	FI 1981-1967	19810623
	JP 57032239	A	19820220	JP 1981-97336	19810623
	ES 503338	A1	19821101	ES 1981-503338	19810623
PRAI	GB 1980-20688	A	19800624		

OS MARPAT 96:162321

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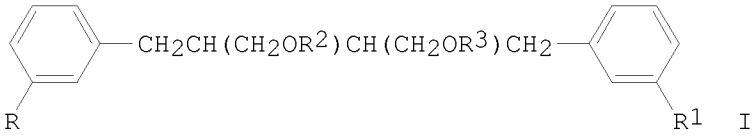


I

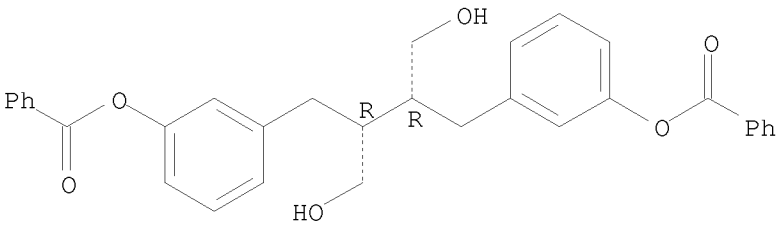
AB 1,4-Butanediylbis(phenols) and derivs. I [R and R1 (same or different) are OH, etherified OH, esterified OH; R2 and R3 (same or different) are H, acyl, or R2R3 = alkylidene], useful as antiinflammatory agents (no data), were prepared (±)-trans-3,4-Bis(3-hydroxybenzyl)-4,5-dihydro-2(3H)-furanone was treated with LiAlH4 in THF to give (±)-I (R = R1 = OH, R2 = R3 = H).

IT 81436-91-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 81436-91-1 CAPLUS

CN 1,4-Butanediol, 2,3-bis[[3-(benzoyloxy)phenyl]methyl]-, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	157.35	1075.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.40	-4.80

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 6, 2008 (20080606/UP).

10521761

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     FILE 'HCAPLUS' ENTERED AT 14:29:29 ON 12 JUN 2008
L2             TRA L1 1- RN :       16 TERMS

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L9                SCR 1839
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L14               STR L11
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L19           49 L14 SAM SUB=L18
L20               STR L14

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L23               SCR 1840
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L25           36 L22 AND L23 AND L21 SAM SUB=L18
L26               STR L21
L27            4 L26 AND L22 AND L23 SAM SUB=L18
L28           94 L26 AND L22 AND L23 FULL SUB=L18
                  SAV TEM G761C1/A L28
L29               STR L7
L30            2 L29
L31               STR L29
L32            0 L31
L33               SCR 1701 OR 1702 OR 1703 OR 1704 OR 1705
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L36            0 L28,L35 AND L3

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10521761

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     FILE 'STNGUIDE' ENTERED AT 15:43:28 ON 12 JUN 2008

=> d stat que
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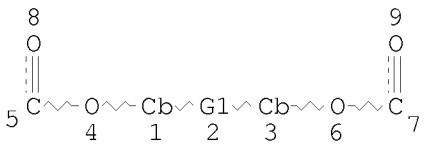


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DEFAULT ECLEVEL IS LIMITED

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NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
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COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
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